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Rose-Hulman Institute of Technology

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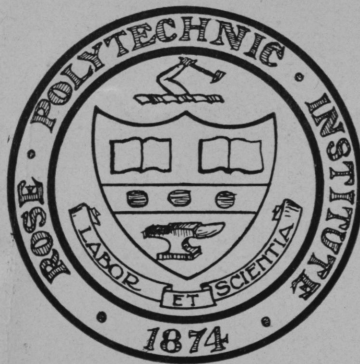
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THE
Thirty-Fourth Commencement Number
of
THE ROSE TECHNIC



PUBLISHED BY
THE JUNIOR CLASS

VOLUME XXVII

FEBRUARY
1918

NUMBER 4



THE SENIOR CLASS

PHOTO BY MARTIN



THE SENIOR NUMBER OF THE ROSE TECHNIC

TO those older followers of Rose publications, we wish to state that it is our intention that this book will, in a measure at least, fill the gap left by our extinct Modulus. To the present student body, we owe no such explanation for a Modulus has not been issued during their time at Rose.

It is intended that this book be a monument to the memory of the first "war class" at Rose, the parting class of nineteen hundred and eighteen. We realize full well that they are entitled to a much greater tribute. We sincerely hope that it will be received by all and in the spirit in which it is offered; and that in passing years it may not be entirely valueless as a reminder of that unusual commencement night as well as happy days at old Rose.

The Institute has been a good mother to this class, fitting them properly for warfare which is something new as a duty. Never before has the flag of civilization needed such support as these graduates are now able and willing to give. The very slogan that has always been used to lead Rose men is the same as the worded appeal of humanity—"Fighting Engineers." Their answer to this cry makes us more and more proud of them.

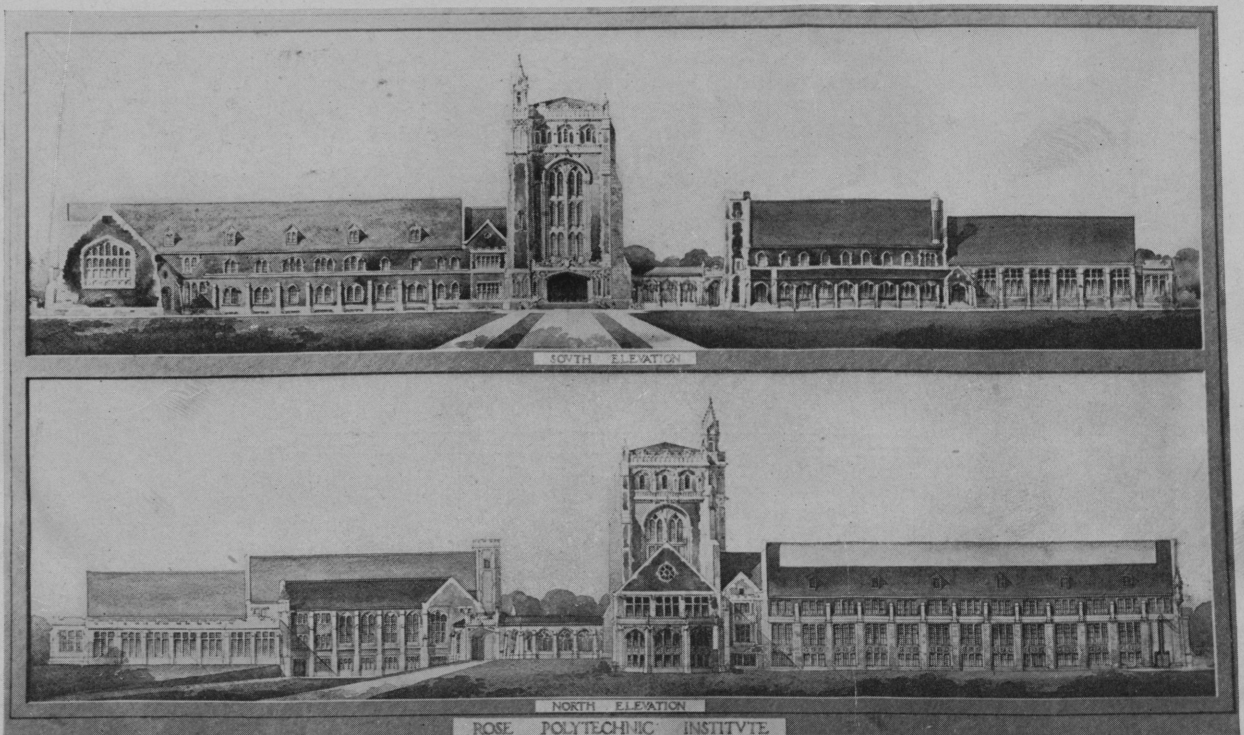
For the first time in the history of the Institute a class labored on through the hot summer months in order to hasten the completion of its work. Some were called before graduation but returned just long enough to receive the best wishes and blessing of old R. P. I. at the commencement.

We are not alone in our confidence and hopes in this class. We represent only a small part of humanity in placing our fervent trust in them. Moreover, we do not make the selfish wish that they merely reflect honor on their school; their first work will be done for a much broader purpose and when all is said and done, in the inner recesses of each conscience will be known the part that Rose has played in his life.



ROSE POLYTECHNIC INSTITUTE

ROSE OF TODAY



ROSE OF TOMORROW

THIRTY-FOURTH ANNUAL COMMENCEMENT

OF THE

ROSE POLYTECHNIC INSTITUTE

JANUARY FOURTH, NINETEEN HUNDRED EIGHTEEN

PROGRAMME

MUSIC

INVOCATION

REVEREND FATHER JAMES H. RYAN

MUSIC

America (three verses)

Mrs. DAVID SILVERSTEIN and audience

ALUMNI ADDRESS

P. WERT KLINGER, '96

Dayton, Ohio

ADDRESS

CAPTAIN ROBERT LAUSSEL

Representing the High Commission of the
French Republic in the United States.

Captain 1st Engineers Regiment, French Army;

Cross of War; Chevalier of the

Legion of Honor.

MUSIC

MARSEILLAISE, sung by Mrs. DAVID SILVERSTEIN

ADDRESS

"FIGHTING FOR PEACE."

WILLIAM LOWE BRYAN

President Indiana University, Bloomington,
Indiana

MUSIC

ORCHESTRA

PRESENTATION OF DIPLOMAS

WILLIAM C. BALL

President of Board of Managers

AWARDING OF PRIZES

PRESENTATION OF SERVICE FLAG

W. ARNOLD LAYMAN, '92

St. Louis, Missouri

MUSIC

STAR SPANGLED BANNER

Mrs. DAVID SILVERSTEIN

(Audience is asked to join in the singing of
the chorus)

BENEDICTION

REVEREND FRANK K. DOUGHERTY

THESES PRESENTED FOR THE DEGREE OF BACHELOR OF SCIENCE, JANUARY, 1918.

- RICHARD F. BERGMANN,
The Design of a Hotel Building for a City of Moderate Size.
- LOUIS S. BAKE,
The Analysis of, and a Method of Softening the Water in the Wells, Springs and Lakes on Hulman Farm for Future Boiler Use.
- JOHN W. BOLTON,
PAUL B. CURTIS,
Attempt to produce Barium Peroxide from a certain Barium Ore.
- LESLIE J. HEEDWOHL,
GEORGE B. HENRY,
A Study of the Methods for the Determination of Sulphur in Petroleum.
- ELMER E. VAN BUREN,
ELMER F. WILLIAMS,
Comparison of the relative Fuel Values of the Coals of this Region based on "Proximate Analysis and Calorimetric Determinations".
- LIX DA CUNHA,
FRED W. SPRINGER,
Design for a Reinforced Concrete Office Building.
- JULIAN A. VRYDAGH,
DANIEL M. HOWARD,
Design of a Reinforced Concrete Warehouse.
- ROBERT P. LONG,
GEORGE V. MERING,
A Study of the Possibility of Elevating the Pennsylvania Railroad through the City of Terre Haute.
- CHAUNCEY S. MCKEE,
PAUL A. STONER,
Design of a Steel Tipple for a Coal Mine.
- LEROY ALLEN,
WALTER M. CHARMAN,
ERLUND B. CORNELL,
Test for Efficiency of an Absorption Refrigerating Machine.
- ANTONIO D. DE GOUVEA,
HARRY J. HARBULAK,
C. WAYNE WOODLING,
Optical Investigation of the Distribution of Stresses in Sharp and Filleted Corners by Polarized Light.
- DAVID B. HENRY,
FREDERICK G. KLATTE,
JAMES E. ORR,
JOHN W. MIKELS,
Test for Efficiency of Air-Lift Pumps.
- C. RAY DECKER,
C. KREIG FAILING,
ANDREW YATSKO,
An Investigation of the Distribution of Electrical Power at the Indiana Coke & Gas Co.
- CHESTER W. FALLS,
J. ARTHUR WILDERMUTH,
RAYMOND B. SHORTEN,
An Investigation of the Distribution of Electrical Power at the North Baltimore Bottle Glass Company.
- HERBERT HUTCHINSON,
EARL D. MINNICK,
Comparison of the Ring and Picou Methods of Measuring Permeabilities.
- GOLDSBOROUGH ROBINSON,
A Theoretical Investigation of the Principles of Wireless Telegraphy.

DEGREES CONFERRED

January 4, 1918

CIVIL ENGINEER:

THEODORE L. CONDRON, B. S., '90, M. S., '94
Professional Record.

ARTHUR P. STONE, B. S., '99
Professional Record.

BACHELOR OF SCIENCE:

Architectural Engineering Course:

Richard Frederick Bergmann.....Logansport
 Ralph Edwin Price.....Piqua, Ohio

Chemical Engineering Course:

Louis Samuel Bake.....Terre Haute
 John Ward Bolton.....Terre Haute
 Paul Byron Curtis.....Terre Haute
 Carl Ernest Geiger, Jr.....Louisville, Ky.
 Leslie Joseph Heedwohl.....Terre Haute
 George Barrett Henry.....Vincennes
 Elmer Eugene Van Buren.....Terre Haute
 Elmer Foy Williams.....Terre Haute

Civil Engineering Course:

Lix da Cunha.....Campinas, Brazil, S. A.
 Daniel Macaulay Howard.....Terre Haute
 Robert Philip Long.....Terre Haute
 Chauncey Samuel McKee.....Terre Haute
 George Van Houtin Mering.....Clinton
 Fred Ward Springer.....Terre Haute
 Paul Abner Stoner.....Terre Haute
 Julian Alan Vrydagh.....Terre Haute

Mechanical Engineering Course:

LeRoy AllenTerre Haute
 Walter Miller Charman.....Terre Haute
 Erlund Bryon Cornell.....Terre Haute
 Antonio Dias de Gouvea..Batataes, Brazil, S. A.
 Harry John Harbulak.....Terre Haute
 David Beedle Henry.....Paris, Ill.
 Frederick George Klatte.....Terre Haute
 John William Mikels.....Terre Haute
 James Ewing Orr.....Brazil
 Chester Wayne Woodling.....Logansport

Electrical Engineering Course:

Bert Lester Combs.....Farmersburg
 Charles Ray Decker.....Terre Haute
 Charles Krieg Failing.....Terre Haute
 Chester Winfield Falls.....Brazil
 Herbert Hutchinson.....Clinton
 Earl Dicks Minnick.....Terre Haute
 Goldsborough Robinson.....Louisville, Ky.
 James Arthur Wildermuth.....Terre Haute
 Andrew YatskoTerre Haute

HONORS.

The thirtieth award of the Heminway gold medal for the highest standing throughout the entire course was made to Goldsborough Robinson, of Louisville, Ky.

Those who received honorable mention were:

Andrew Yatsko, Terre Haute.
 Richard Frederick Bergmann, Logansport.
 Bert Lester Combs, Farmersburg.
 Herbert Hutchinson, Clinton.

INVOCATION

By

REVEREND FATHER JAMES H. RYAN.

LET us pray. O God, the creator of the human race, we bow down in adoration before the throne of thy majesty. We praise thee; we worship thee. O Jesus Christ, we call upon thee to have mercy upon us, and upon all men; forgive us by thy holy blood, save us by thy holy blood, purify us by thy holy blood. We pray thee, almighty God, for our beloved country in this her hour of peril when the strong arm of the enemy is leveled against her. Fortify her in thy almighty strength and power, strengthen her purposes, purify her motives so that under thy divine guidance she may proceed in the ways of truth, of freedom and of good will towards mankind.

We pray for our associates in this war against slavery, tyranny and autocracy, bold England, fine Belgium, heroic France, suffering Italy and we ask thee that the memory of their example, the thought of their noble sacrifices be not lost to us.

We pray thee, O God of might, wisdom and justice, for the President of the United States; fill him with thy holy spirit of counsel and fortitude; give him strength and courage to walk in the fear of thy commandments; may he have the power to work out the lofty purposes of

liberty, equality, and democracy for every nation and people.

We pray thee for his excellency, the Governor of this State, that God may preserve his health, and that under his high leadership this great commonwealth shall be a model to all of undivided loyalty, unexampled patriotism and unstinted sacrifice.

We pray thee, almighty and eternal Father, to look down with especial favor on these young men who are going out tonight into the world to take their places, places of service, of honor, of danger, of glory. Fill their minds with faith in thee; strengthen in them the hope which knows no defeat; replenish their hearts with christian charity; teach them the supreme lesson of the life of thy Son, besides which no man has greater love, for he gave up his life for his friends.

We pray thee, O Eternal Father, for all our fellow citizens throughout the whole United States. May they be enlightened in the observance of thy most holy law; may they be preserved in union and that peace which the world cannot give, and after enjoying the blessings of this life be admitted to those which are eternal.

Amen.

ADDRESS

By

GOVERNOR JAMES P. GOODRICH.

I THINK I find myself this evening in a rather embarrassing situation, but my good friend, Colonel Dix, insisted upon my coming down here this evening with the members of my staff. I said to him that I should be delighted to come, with the distinct understanding that I was not to say anything, knowing that with that arrangement I should have a most delightful evening. To add to my embarrassment, when I picked up the paper this morning I read in *The Star* that I was to present the diplomas to the Class, and so I went about preparing about a three-minutes speech presenting the diplomas to the graduating class of 1918. I wish I could tell a story to illustrate my situation, but I never could remember.

It is a pleasure indeed to be here with you this evening and I wish the fullest measure of success to these young gentlemen who go out to take their places in the battle of the outside world. Some of them will take places on the battle-fields of Europe, others perhaps in less glorious but no less necessary tasks of keeping the fires burning at home and bringing to bear in this great war the vast resources of our great country. Wherever your lot may be, your country expects you to acquit yourselves like men, and I feel persuaded that this expectation will not be in vain. Unto you much has been given, and from you this day and generation expects much in return. We are all debtors to the past; you in a peculiar way are debtors to the faculty of this institution, debtors to those who in their generosity in years gone by founded this great institution of learning; but in a truer and higher sense we are all debtors to the past for the privileges we enjoy today, to our ancestors who established and our fathers who saved this great nation; aye, to the heroic dead in every age who have struggled against tyranny and wrong, who have counted their lives as nothing against the priceless blessings of liberty, and have transmitted from generation to generation the precious memory of their heroic sacrifices.

As we look upon life, as we study history at the present day we know that we are at the most critical period of the history of the world, at a time when civilization is being shaken to its very foundations by the great world war that is devastating two continents. I am not here to discuss the causes leading to the war;

the time for argument is past, and the time for action is upon us, but I do want to see this war settled according to American ideals, American standards of government, and American principles of humanity and the welfare of the human race everywhere. We hear a great deal today of Anglo-Saxon principles of Government, and I give great credit to the part they have played in the struggle for freedom in the past—let us not forget that we owe them much—still, we are more and greater than Anglo-Saxon; we are American today, American, made up of the whole world, of the Puritan from Scotland and England, of the Celt from Ireland, of the Huguenot from France, of the Latin and Slavic races of Eastern and Southern Europe,—Americans, all of them; with rare exceptions loyal to our institutions and our land, and their blood has already stained the battle fields of Europe in defense of their country. So I say we are not only Anglo-Saxons, we are more than Anglo-Saxons, and the ideals of America are higher than those of Europe. When the war shall have ended and the nations sit at the table to conclude peace, my hope is that peace will be concluded according to American ideals, and that out of it may come an honest international conscience, that it will no longer be possible for a nation while signing a treaty with one government to conclude a treaty with another government unfriendly to the first; that no nation shall have the right to declare war until the question shall have been submitted to the chosen representatives of the people for their final action; that the nations of the world struggling under enormous burdens of taxation which will follow the war shall not be again compelled to transform their countries into armed camps; that the right of small nations to exist and work out their ideals shall be recognized and made a part of the law of all nations; that the laws of individuals shall apply to international relations as well. If all this can be accomplished, then the enormous sacrifices of this war will not have been in vain.

As you young gentlemen step out into the world, my hope and belief is that you will bear your share of the burden well and transmit this government of ours to our children and our children's children better and nobler and purer because we of this generation have here lived and wrought.

ALUMNI ADDRESS

By

P. WERT KLINGER, '96.

Mr. Klinger spoke in part as follows:

WE cannot all serve by doing big things, however there is loyalty in doing the smaller things—loyalty to your employer, to your community, to your town, to yourself, perhaps I should have said first of all to your country; but you are proving that this is your first thought by your willingness to serve it. It has been well said that "An ounce of loyalty is worth pounds of genius." There is no need to tell you that military service is not an easy thing; but loyalty to your country and to the principles of democracy are going to carry you over a good many hard places. It will mean hard work, aside from the danger but, all work is hard enough and why make it harder by grumbling? A pleasant smile fits any face. Nobody likes a growler.

Once people had a foolish notion that if a man knew the details of the business in which he was engaged nothing else mattered. That theory has been abandoned. The man who succeeds today must have personality. No matter how thoroughly he understands the work assigned to him, he will be a failure unless he is able to inspire confidence, to create a good impression upon the people with whom he comes in contact, to have the appearance of success. For that reason, the cultivation of good habits is important. It will not be possible for the man who dissipates or who is careless of his physical well-being to present a favorable appearance. You must earn a lot of cold cash in the day time to have a hot old time at night. Do not attempt to satisfy a thirst for knowledge by reading the *Bartenders Gazette*. It is important to be well informed, to develop ability and initiative, and to be faithful in the performance of the duties to which one is assigned, but the one who wins in the present day struggle for advancement must also look successful and act the part of a winner.

Enthusiasm is the dynamics of your personality. Without it, whatever abilities you may possess lie dormant; and it is safe to say that nearly every man has more latent power than he ever learns to use. You may have knowledge, sound judgment, good reasoning faculties; but no one—not even yourself—will know it, until you discover how to put your heart into thought and action.

A wonderful thing is this quality which we

call enthusiasm. It is too often underrated as so much surplus and useless display of feeling, lacking in real substantiality. This is an enormous mistake. You cannot go wrong in applying all the genuine enthusiasm that you can stir up within you; for it is the power that moves the world.

So, if you would like to be a power among men, cultivate enthusiasm. People will like you better for it; you will escape the dull routine of a mechanical existence and you will make headway wherever you are. It cannot be otherwise, for this is the law of human life. Put your soul into your work and not only will you find it pleasanter every hour of the day, but people will believe in you just as they believe in electricity when they get into touch with a dynamo.

And remember this—there is no secret about this "gift" of enthusiasm. It is the sure reward of deep, honest thought and hard, persistent labor. If you want fortune to knock at your door, hustle and get a door.

There is another thought in connection with the service you render others. He who does something for others for his own material benefit does not serve them; he exploits them. Such service is selfish, and while as the good book says, it is more blessed to give than to receive, the lasting benefits derived from selfish service are not material.

After all, are not the spiritual things of life the real things? Have we not always believed and realized this? What man engrossed in getting money and in the struggle for power does not, even in his busiest moments, thank a kind Providence that he has a home, a wife, children, friends and a fireside? Who does not realize that without these all his material accumulations are incapable of satisfying the human heart? Without home and without friends, of what possible worth can accumulated wealth be? After all, when we come to the evening of life and sit by our fireside surrounded by our loved ones and ponder over the past, will we not realize more fully than ever before the value of true and loyal service to our fellowmen. Our little successes, petty advantages, won in the struggle for wealth or place, will then be of little satisfaction. But as we think back over the years, the things that will stand out will be

those we have won by the hardest service, and the friendships we earned by loyalty and faith, and those other things that earlier impressed us as real hardships and as calling for sacrifices. Not the least of them will be personal sacrifice for our country and we are proud to know that Rose is already represented by a large number of Alumni in our country's service, approximately sixty-five of whom are commissioned officers.

In welcoming you into the ranks of the Alumni of Old Rose we would impress upon you the opportunity for loyal and faithful ser-

vice that is yours in greater measure perhaps than that of any preceding class. Your training here has fitted you for many things that are of real moment in deciding rightly the outcome of this world war. But doubtless these will be clearly outlined to you this evening by some of your distinguished visitors.

Again, in the name of all the Alumni, let me heartily welcome this class of 1918 into our ranks, and you will take with you wherever you go, whether it be the present struggle of life, the very best wishes of us all for your success in whatever service you are called.

ADDRESS

By

CAPTAIN ROBERT LAUSSEL,

1st Engineers Regiment, French Army,
Representing the High Commission of the French
Republic in the United States.

SOME days ago, I received a letter from the French Military Attaché, asking me to take his place at Terre Haute for the commencement of the Rose Polytechnic Institute. I was frightened for I have never even made a speech in French and you can imagine how much more difficult it will be for me to attempt one in English. However, I am willing to try and will do my best. I have decided to relate to you some of my experiences in the war, for I believe they may give you some idea of the nature of the work of the engineers on the Western Front.

I was an ensign in the French Naval Reserves in Australia on the fourth of August, when the war broke out. Immediately after hearing of the declaration of war, I left for France aboard a French mail boat. A few days out, we caught a wireless message from the German destroyer, the *Emden*, which was then cruising between India and Australia and taking possession of French boats. From then on, we continued slowly and cautiously in order to avoid being captured, finally arriving in Marseilles in the middle of September. I went at once to the Minister of War, offered my services and although I am not an engineer, was

made lieutenant in the 1st Engineers Regiment. The French Minister of War said, "A sailor can get on most anywhere," and I assure you adaptability to circumstances is necessary for an engineer in this war.

On January 15, my company was sent to the trenches as a divisional company. We were stationed in a woods called La Gruerie (soon after nicknamed "Slaughter Woods" by the French soldiers), which is a short distance from the Forest of Argonne and here we remained until the middle of May. The French were unprepared for war and the Germans, of course, were fully prepared. We had very little to fight with and at first, we had few trenches and communicating trenches; consequently it was very hard to hold out against them and we suffered great losses from the continual heavy shell fire.

The Germans attacked us on February 10, taking our first line trench and the Engineers Company was sent out during the night—we always worked at night—to dig a new first line 50 yards from the Germans, 400 yards of trenches being dug in eight hours. You cannot imagine the difficulties we encountered in the

dark. We made a counter-attack on February 17 to regain our loss but we did not have enough artillery to support the attack. We lived two months in a house at La Harazee. Soon the French troops were ordered to make a succession of attacks pivoting our lines from the Forest of Argonne with Verdun on the east and Champagne on the west and we were ordered to remain in Argonne and hold ground. The losses on both sides of us were necessarily great.

In Argonne the use of mines as an aid in making attacks quickly became popular and has grown ever since. The plan is to plant a succession of mines in a tunnel, called a gallery of mines, beneath the objective point. When an attack is made these mines are exploded, destroying the enemys' trenches and shaking the morale of the defending troops. My company camped in Argonne two years and three months laying galleries of mines. At first, the galleries were placed four meters below the surface, but in order to insure their being below those of the Germans we finally reached a depth of forty meters. Luckily, we were always able to detect the approach of the enemy and prevent our infantry from being destroyed by the German mines by making compression chambers, the purpose of which is to destroy the German galleries without creating a crater. The approximate position of the German galleries was first determined by sentinels posted in our galleries to listen for the Germans working in theirs; then to calculate a charge just sufficient to cause a large hollow by compressing the earth on all sides, frequently resembling an enormous grotto. We had many encounters in these chambers and found it very hard to defend ourselves since the use of grenades endangered our own lives and the use of our automatics on which we chiefly relied soon so filled the place with smoke that we could not see. For this reason, after the destruction of the enemy's galleries has been accomplished it is customary to reduce the compression chambers to craters.

On October 16, we tunneled into a German gallery, captured part of their explosives and lighted their mine, blowing a large crater in their line near the entrance of their gallery. On Christmas Day, 1915, a mine explosion destroyed two dugouts, filled with Germans. All this time our material was increasing. This was the period of big explosions, making enormous craters near Fille Morte and in Hill 285.

In August, 1916, my captain was killed and

I received my promotion, and was charged to take command of the mine war on the West Argonne sector, about six kilometers long.

In the beginning we had no luck. Two of my best officers were killed in the first three weeks; at the end of the year three big German explosions occurred just to the front of us near the Dürer blockhouses. On January 13, 1917, after much terrible and hard work we blew up the German strong point, Dürer. After this, occurred my promotion in the Legion of Honor and my company received the Cross of War for the second time.

The use of flames and gas projectiles was developing all this time. The hardships became very great, and often we slept in pools of water with the rain pouring everywhere. I recall awakening the morning after the night attack of July 13 with the corpse of a German officer at my side. After several other minor attacks and counter attacks we resorted to raids only.

The task of the engineers is a hard and terrible one and requires a great deal of bravery and sacrifice. They are killed without having a chance to defend themselves, while digging trenches, laying wire entanglements, building bridges, digging tunnels and laying mines.

I am proud and pleased to have had the opportunity of coming to America although I was sorry to leave my company. My last recollection of it is of a French youth who died in my arms in a dressing station back of the front lines. Long before America entered the war, I knew the boys of the American corps who had voluntarily come over.

I am now at Camp Custer, chief of the French Mission, with four other officers and five non-commissioned officers. I am here especially to give information on trench warfare, and to try and show you our mistakes in order that you may avoid them, and thus avoid at the same time the terrible casualties which marked our first days in the war. You must work fast and realize as *soon* as possible what the word "war" means. Of course you are far from Europe and it all is so new to you, but you must reconcile yourselves to the terrible price that is paid each day; to gain only one day means to save the lives of many thousands of brave soldiers. In France, all the thoughts of the people are directed towards the war. It must be the same in your dear country. It is the thinking of the war every day, every hour and every minute that will make it possible to have quickly a victorious and lasting peace.

France, like your country, was peaceful and we were not at all ready for war. We tried our best to avoid it, but as soon as the country's honor was brought into question we went in the battle with a will to win. We are now tired but not exhausted. Soldiers, many of them over forty years of age, have begun to weaken. They have been in the trenches since the beginning. The fields are lying waste, women are exhausted trying to cultivate them, youngsters are gone, volunteered or enlisted in the army. There is a great shortage of food. We must be able to send back to the farms the men of forty years of age, and to give longer furloughs to the young farmers as is being done in the British army. We continue to bear the heaviest burden of the war. The total occupied front at present is 739 kilometers of which the Belgian army occupies 27, the British 138 and the French 574. And we have sent one part of our best soldiers to help our Allies, the Italians. We have a fine army in Salonica and in Greece.

Our material is improving and increasing every day. In August 1914 we had only three hundred guns (heavy artillery). In June 1917, six thousand with eight hundred more given to our allies. In August 1916, our seventy-five millimeter guns fired thirteen thousand shots per day and now, more than two hundred and fifty thousand. It is difficult for people not in the trenches to realize how terrible is the warring on the Western Front. In our last attack near Craonne, (October 1917) twelve million artillery shots were fired in a few days, averaging one ton and a half (as the weight) of projectiles per square metre. It was a big victory, we took twenty thousand prisoners, two hundred guns, with but few casualties.

Will we have a separate peace? Never! We will fight to the last man. To give up the struggle now would mean to betray both our dead and our children. The whole of our devotion, sacrifices and glory would rise before us to curse us. Harder than ever is the struggle and the enemy is very powerful.

But we have known darker and more tragical hours and we ever keep our faith in the final success; and this faith is increased since you are with us.

America and France are friends of long standing. Washington and Lafayette, our respective ancestors, laid the foundations of the Alliance we witness today in bloodshed and in the same cause. From that time to this, France has followed with intense admiration the political and economic development of the United

States. From the beginning of this war to the anxious hours of the Marne and again, during the assault on Verdun in '16, we had the feeling that waves of sympathy were coming to us across the Atlantic. Finally the heart of a mighty nation found expression in President Wilson's ultimatum to Germany—that she had reached the limit and had henceforth put herself out of the pale of civilization. Under such auspices, ties of close friendship are bound to grow and today they are an accomplished fact between American and French troops. Common hatred of the German has overcome difficulties of language, and among all ranks, mutual confidence, esteem and friendship reign supreme.

We must win and win completely. Remember Germany wanted this war. Many times she thought the occasion had arrived to start it. In 1875, early after the disastrous war of 1870, she was surprised to see France rising again so quickly. Our calmness and the Russian intervention prevented war then. Without cause she sought a quarrel in 1905 in the affair of Morocco, in 1908 in the Casa Binaca matter and in 1911 at Agadir, each time becoming more and more furious over her failure.

The real cause of the war was the enormous pride of the German spirit. We all know its famous motto, "Deutschland über alles." The Germans think they are the representatives of all modern civilization. The German Staff published in 1902, a book on the Continental War, in which the existence of the Law of Nations is denied. They know only one law: the law of the mailed fist, the law of violence. What does it matter if a method is condemned by International law, if it is cruel, savage or monstrous, if it is useful. Hence, whole towns are fired, civilians slaughtered, cathedrals bombarded, art treasures plundered, submarine war ruthlessly waged and so on. We can not trust this government; we must win a complete victory; we must show these people that Right holds the first place in the world, and remember always that we are the champions of democracy, fighting against autocracy for the liberty of the world. It is far better to die than to be slaves.

American, British, Italian and French soldiers—we all fight against the German spirit, a spirit of rapine, degraded and dishonored forever like the peoples it is spurring on.

May we ever keep the spirit which loves justice, honor, truth and right. The French spirit, the spirit of La Patrie, which is in our blood, in our thoughts, on our tongues, is bred in our

bones, and trembles on our lips. It is the spirit of our ancestors, of the heroes of the great wars who made France great and powerful. It was the spirit of Lafayette. Thanks be to our Allies who fight and die in protecting the same spirit.

May the two sister armies, on a glorious morning of victory find themselves side by side, carried forward in a frenzied rush of success beyond the barbed wire and trenches of the despicable Germans pursuing in concert their triumphal advance to the Rhine.

Fighting for Peace

By

WILLIAM LOWE BRYAN,

President of Indiana University, Bloomington, Ind.

Mr. Bryan spoke in part as follows:

HUMAN beings have interests. These interests are often more or less in conflict. The conflicts of human interests may be settled in two ways: *First*, by war in which some individuals are destroyed or made subject to others. *Second*, by a living organization of the human interests involved so that all participate in the work and suffering and also in the opportunities and advantages that come to the group as a whole. Darwin has emphasized the importance of the struggle for existence among plants and animals as a factor in evolution. Nietzsche has emphasized the same principle in its relation to human beings. He has insisted that war which destroys or subjugates the weak is a necessary condition for the development of the strong. Nietzsche's philosophy has had a great influence in Germany upon the intellectual, the soldiers and the aristocrats. Vernon Kellogg in the *Atlantic* for August reports conversations with high German officers who accept the Nietzsche philosophy as an explanation and defense of war of conquest. If this be indeed the ultimate law of nature in relation to human life, then we should know it and we should prepare to fight to the uttermost. It is however a fact, as Darwin also recognized, that conflicts in interests are settled in many cases by an organization of all the interests involved. This is seen in a good family where all the human interests involved are safe-guarded, including the major rights of life and property and by the subtler rights of courtesy and reverence. In like manner, a superior industrial society is not one in which some of the human beings are slaves or serfs but in which all the human beings share in the work and also in the

rewards of work. Finally, a democratic ideal of society is one in which large masses of the population are not held subject to the will of a few but in which all the human beings have a fair share in the government and in its advantages as well as in its burdens.

We feel that this democratic ideal of society should be taken for granted in the family, in industrial society and in the state. In point of fact, the opposite has been taken for granted until comparatively recent times. The history of liberty is recent. Our grandfathers, some of them, were born before the American Declaration of Independence and the French Revolution. Our President is afraid that this short history of liberty lasting little more than one hundred and fifty years may prove to be only an episode in the long history of autocracy. He is afraid that if the middle European empire, which extends from the Baltic to the Black Sea and including Prussias and Turks, can conquer the allies that are against it now, it will dominate the world. In that case it would dominate South America and Central America. It would dominate us. Therefore we feel compelled to fight. We are fighting against war. For if the autocrat prevails now we shall have nothing but war in the life time of any of us. We are fighting for the same cause that our fathers fought for in '76. We are fighting for the same cause that the French fought for when they tore down the Bastille in 1789. We are fighting for the same cause that the Germans fought for in 1848 when they rose up against the Hohenzollern tyranny and tried in vain to establish constitutional liberty for themselves.

This is not a war of armies but of peoples. We have given our sons. We must give ourselves to the uttermost.

Address of A. J. Hammond, '89 on Awarding Diplomas

TO the graduate, this part of the program is of the most intense interest. The reward of four years of hard work is to receive the parchment which indicates to the business and professional world the classification of the student's preliminary training for his future work.

Mr. Will Ball, the President of the Board of Managers has for twenty-five years taken keen pleasure in saying a few words to the graduates, handing them their diplomas and bidding them God-speed. It is with great regret that illness deprives him of this pleasure tonight.

However, he is not only here in spirit but I will voice some of the sentiments which he would have uttered had he been present:

The most significant thing about these commencement exercises is the fact that they occur in mid-winter instead of mid-summer. The reason for this speeding up so that the class that graduates today completes the course in three and one-half years of elapsed time instead of four, is well known.

The actual years in class rooms and the shops have been the same as before. It has been concentrated and intensified so that these young men of the class of 1918 might respond to their country's call.

Modern war being what it is, demands machines almost more than men even on the firing line, engineers back of the line to struggle with problems of transportation and supplies, the housing and clothing of multitudes, the services of men who have received precisely the education that Rose was founded to impart—were never so welcome an addition to the nation's resources as now. Needing engineers, the Rose rushed to meet the new duties of the new time that confronted the Nation—a nation that

holds the destinies of us all in the hollow of its mighty hand. If it should fail, but it will not fail, then we all fall together in cureless ruin.

Rose has always parted with her sons on these annual occasion with solemn pride. Never was she prouder than she is today, for this is not so much a college commencement as it is a government function. The parchment scrolls to be given the members of the class are not so much diplomas as they are commissions.

Of course the studies of this institute have been laid out on constructive lines. It was proposed to educate engineers who might build up rather than tear down, might make the earth fairer and more fruitful rather than lay it waste, might make living easier and pleasanter and more joyous than the reverse. But civilization has been savagely assailed; all the fundamentals of former and orderly life have been challenged. We could not decline the challenge if we would. We would not if we could. All the ideals we cherished and lived for we are willing to struggle for, and if need be, die for.

“For what avail the plow or sail
Or land or life if freedom fail.”

We expect you, Rose graduates, to acquit yourselves as men. Go over the top when your time comes and go with a whoop. Buck the line and buck it hard, for a gain—the gain of a trench or a town. The ruler of the Universe is not a fiend. This welter of blood and beastliness and destruction must and will end. And it must end right and I have faith that it will so end. When that fair time comes you engineers will come into your inheritance. There will be a world to rebuild and you have been trained as builders.

Hail and farewell.



Unfurling of Service Flag

By

W. ARNOLD LAYMAN, '92.

GOD is in His heaven, but all is not well in the world tonight. We are here, however, to give evidence that it is the intention of this great nation to make it so. In the past we have been blind, and tonight we see, and the vision that fills our eyes is that of a great opportunity and a great responsibility in the most awful tragedy of all history. We are here to pledge our very heart's blood in the greatest and in the holiest of all crusades.

Upon the part of the Rose Polytechnic Institute, it means that we must give the very best that we have; not alone these young men who step aside tonight, upon the very threshold of their professional lives, but also those who have gone before and have been successfully pursuing their professional careers all over the country. You ask how many we have given, and in reply we unfurl our service flag.

One hundred sixty-one stars speak for the

honor of Old Rose. Forty-seven percent of those in service are commissioned officers. Wherever the struggle between civilization and darkness rages tonight there you will find some Rose man in action. It may be the battle scarred plains of France, or out upon the cold gray waters of the sea, or in paths of service at home. Wherever these boys may be, let us pledge to them the unqualified guaranty of our full support, let us assure them that their service shall be our service and their sacrifice shall be our sacrifice, and let us have them know that in every heart and every home of Rose Polytechnic Institute and of Terre Haute there burns the fire of true patriotism and there burns the fire of holy sacrifice in this great struggle, and last but not least let us promise them that while they are away we will keep the home fires burning against that great and glorious day when triumphantly they will come marching home.

THE ROLL OF HONOR

ROSE MEN IN THE SERVICE

STUDENTS.

Bruning, William H., '19. Corporal Battery A, 150th Field Artillery, 67th Brigade, 42 Division American Expeditionary Forces, France.
 Hauck, J. Walter, '19. Aviation, Awaiting Call.
 Heck, Herman H., '20. 466th Aero Squadron, American Expeditionary Forces, France.
 Jones, R. P., '20. Private, 64th Aero Squadron, Newport News, Va.
 Owen, R. J., '19. School of Military Aeronautics, University of Illinois, Barracks No. 2.
 Smith, George L., '19. Certified in Draft.
 Thiry, K. Paul, '19. 3d Officers' Training Camp, Camp Lee, Petersburg, Va.
 Waggoner, R. M., '20. Private, Medical Corps, Jefferson Barracks, Mo.
 Wagner, Willys P., '20. Private, Hospital Corps, Fort Riley, Kan.
 Wallace, James A., '21. U. S. School of Military Aeronautics, M. I. T., Boston, Mass.

GRADUATES.

Allen, LeRoy, '18. Certified in Draft.
 Anderson, George G., '16. 2nd Lieutenant, 33d Heavy Field Artillery, Camp Grant, Ill.
 Andrews, Carl B., '08. Captain, E. O. R. C.
 Arn, William G., '97. Captain-Adjutant, 13th Engineers, (railway), 1st Battalion, American Expeditionary Forces, France.
 Arnold, Arthur T., '15. 2nd Lieutenant, School of Military Aeronautics, M. I. T., Boston, Mass.
 Beauchamp, J. Mercer, '13. Lieutenant (J. G.) U. S. N. R. F., Marine Barracks, Washington, D. C.
 Bowsher, W. H., '04. 1st Lieutenant, Engineers Corps, Camp Greene, N. C.
 Brauns, E. Dwight, '15. 2nd Lieutenant, Aviation Corps, American Expeditionary Forces, France.
 Brennan, Albert F., '13. 1st Lieutenant, 342d Field Artillery, Camp Funston, Kans.
 Brennan, Edward M., '09. 1st Lieutenant, 309th Engineers, Camp Taylor, Ky.

- Bringman, Frederick W., '14. 1st Lieutenant, Artillery.
- Brooks, George W., '16. Sergeant, Meteorological Branch Signal Corps, American Expeditionary Forces, France.
- Buckley, Edmund T., '09. 1st Lieutenant, Caterpillar Truck Division, American Expeditionary Forces, France.
- Burns, Ruel F., '15. Cadet, Call Aviation Field, Wichita Falls, Texas.
- Carlisle, Clarence F., '16. Private, Bureau of Mines, American University Experiment Station, Washington, D. C.
- Carpenter, Floyd W., '17. Ensign on Engineering Duty, U. S. Navy, Boston Navy Yard, Boston, Mass.
- Combs, Bert L., '18. Signal O. T. C., Camp Stanley, Texas.
- Cornell, Erlund B., '18. Certified in Draft.
- Cox, Warren R., '14. Red Cross Field Ambulance, care American Express Company, 11 Rue Scribe, Paris, France.
- Curry, Glenn M., '09. Captain, Coast Artillery, Fort Screven, Savannah, Ga.
- Drake, T. E., '15. Certified in Draft.
- Ducey, Edward J., '11. 1st Lieutenant, Engineers Corps, Camp Taylor, Ky.
- Duddleston, Charles S., '15. 1st Lieutenant, Aviation Corps, Gerster Field, Lake Charles, La.
- Dunn, T. Edward, '15. Assistant Chief Instructor, Motor Transport School, Wilbur Wright Field, Fairfield, O.
- Eshelman, Gordon L., '14. Aviation Training School, Fort Wayne, Detroit, Mich.
- Evans, Thomas M., '17. 25th Recruit Company, Fort Slocum, N. Y.
- Finkelstein, Samuel, '15. 2nd Lieutenant, American Expeditionary Forces, France.
- Finley, Ralph E., '16. 2nd Lieutenant, 5th Engineer Train, Corpus Christi, Texas.
- Ford, W. Ellis, '98. Captain, E. O. R. C., In Charge Construction, Depot Warehouse, St. Louis, Mo.
- Galloway, John D., '89. Major, E. O. R. C., American Expeditionary Forces, France.
- Geiger, Carl E., '18. Private, U. S. Weather Bureau, Knoxville, Tenn.
- Gillum, Joseph S., '15. 2nd Lieutenant-Adjutant, 506th Service Battalion, American Expeditionary Forces, France.
- Goldman, Harry S., '14. 2nd Lieutenant, Search Light Detachment, Washington Barracks, Washington, D. C.
- Goodman, Leon, '05. Captain and Adjutant, 109th Engineers, Camp Cody, Deming, N. M.
- Grammer, L. Earl, '09. 2nd Lieutenant, 341st Field Artillery, Camp Funston, Kans.
- Gray, Chesleigh, '13. 1st Lieutenant, Aviation Section, Signal Corps, Camp Sevier, S. C.
- Hamilton, Paul B., '08. Hospital Corps, Fort Riley, Kans.
- Hansen, Arthur C., '14. 1st Lieutenant, 1st Engineers, American Expeditionary Forces, France.
- Hatch, Fred N., '06. Captain, 35th Engineers, American Expeditionary Forces, France.
- Henry, David B., '18. Certified in Draft.
- Henry, George B., '18. Camp Taylor, Ky.
- Hickman, Raymond N., '11. Paymaster, U. S. N.
- Hild, Frederick W., '17. Quartermaster, U. S. Naval Auxiliary Reserve.
- Holding, George W., '17. Sergeant, Ordnance Department, Washington, D. C.
- Howard, Daniel M., '18. Co. D. 309th Engineers, Camp Taylor, Ky.
- Howe, Homer A., '15. 1st Battalion, 3rd R. O. T. C., Camp Devens, Mass.
- Hughes, Earl E., '13. Private, 11th Training Company, 161st Depot Brigade, Camp Grant, Ill.
- Hunley, E. Bradford, '08. Sergeant, Company E., 316th Engineers, Camp Lewis, Wash.
- Kelso, Byron L., '08. Captain, Company B., 309th Engineers, Camp Taylor, Ky.
- Kornfeld, Frederick H., '11. 1st Lieutenant, Engineers, U. S. R., Camp Beauregard, La.
- Lancet, Kenneth E., '14. E. R. O. T. C., 5th Company, Camp Lee, Va.
- Lawler, John M., '12. 1st Lieutenant, 308th Engineers, Camp Sherman, O.
- Lee, Thomas L., '09.
- Le Forge, Charles C., '14. 3d O. T. C., Camp Grant, Ill.
- Lyon, Claude A., '14. 2nd Lieutenant, 302 Regiment, Pioneer Engineers, Camp Upton, N. Y.
- Mayrose, Herman E., '15. Corporal, Company H., 129th Infantry, Camp Logan, Texas.
- Mendenhall, Charles E., '94. Major, Aviation Section, Scientific Commission, Washington, D. C.
- McKee, Loren T., '11. 1st Lieutenant, 3d Division Ammunition Train, Fort Oglethorpe, Ga.
- Miner, Erwin J., '07. Captain, 313th Engineers, Camp Dodge, Ia.
- Montgomery, John T., '98. Captain, Engineers U. S. R. Replacement Troops, Fort Leavenworth, Kans.
- Moore, James G., '14. Battery E., 136th Field Artillery, Camp Sheridan, Ala.
- O'Brien, Bernard, '09. 1st Lieutenant, 30th Engineers, care Chief of Gas Service, American Expeditionary Forces, France, M. P. O. 702.
- Price, Ralph E., '18. Corporal, Battery D., 324th Heavy Field Artillery, Camp Sherman, O.
- Reagan, Oliver E., '12. 2nd Lieutenant, 80th Aero Squadron, American Expeditionary Forces, France.
- Reddie, William, W., '12. Lieutenant (J. G.), U. S. N. R. F., U. S. S. Illinois.
- Rehm, Roland C., '12. 1st Lieutenant, Motor Section, Ordnance Department, Camp Merritt, N. J.
- Reid, John, '15. 7th Infantry, 3d Division, Camp Greene, N. C.
- Reilly, Charles J., '09. Sgt. 21st., Engineers, American Expeditionary Forces, France.
- Reiss, Frederick H., '08. 2nd Lieutenant, F. A. R. B., Training in France.
- Robbins, John F., '08. Lieutenant (J. G.), U. S. N. R. F., Marine Barracks, Washington, D. C.
- Robinson, Goldsborough, '18. 2nd Lieutenant, Company 2, R. O. T. B., Camp Alfred Vail, Little Silver, N. J.
- Rochester, R. K., '01. Major, Railway Transportation Corps, American Expeditionary Forces, France.
- Rock, Samuel M., '92. 1st Lieutenant, Coast Guard, U. S. N.
- Rogers, Frank A., '14. 309 Headquarters 2, Camp Zachary Taylor, Ky.
- Rommel, Carl R., '12. Private, Ordnance Detachment, Washington, D. C.
- Schofield, Alonzo D., '07. 1st Lieutenant, C. A. R. C., American Expeditionary Forces, France.
- Schoonover, James M., '14. 1st Lieutenant, 310th Field Signal Battalion, Camp Custer, Mich.
- Schopmeyer, George E., '14. Sgt. 447th Depot Detachment, Base Headquarters, American Expeditionary Forces, France.
- Scott, John T., '14. 1st Lieutenant, 335th Infantry, Camp Taylor, Ky.

Service, Jerry H., '12, Instructor, U. S. Army School of Military Aeronautics, Ohio State University, Columbus, Ohio.

Shaw, Henry M., '10, 1st Lieutenant, 332nd Field Artillery, Camp Grant, Ill.

Sheldon, J. Ernest, '15, Sergeant, 309th Ammunition Train, Camp Taylor, Ky.

Smith, Herbert A., '14, Corporal, Camp Taylor, Ky.

Smith, Richard L., '09, Captain, Office Constructing Quartermaster, Camp Fremont, Cal.

Smith, Rowland M., '15, Cadet, Call Field, Wichita Falls, Texas.

Smock, Harold E., '16, Cadet Pilot, Kelly Field No. 2, San Antonio, Texas.

Springer, Fred W., '18, U. S. Weather Bureau, Knoxville, Tenn.

Stalker, James R., '07, 1st Lieutenant, Quartermaster Corps, Cantonment Division, Quartermaster General's Office, Washington, D. C.

Stoltz, Roscoe R., '16, 2nd Lieutenant, E. O. T. C., Company 8, Camp Lee, Va.

Stoms, Marion W., '14, 1st Sergeant, Quartermaster Department, Ice Plant Company 301, Camp Merritt, N. J.

Strecker, Robert A., '07, Captain, Company A., 309th Engineers, Camp Taylor, Ky.

Templeton, Robert J., '14, 1st Lieutenant, 32nd Engineers, Camp Grant, Ill.

Tilley, James M., '11, 2nd Lieutenant, Field Artillery.

Tilley, Milton, '17, School of Military Aeronautics, Ohio State University, Columbus, O.

Trimble, Ray, '16, Taking Course in Aviation Training—at present at Columbia University.

Wallace, Hugh E., '15, Private, Aviation Section, Signal Corps, Camp Custer, Mich.

Weinhardt, Robert A., '16, 1st Lieutenant, Aviation Corps, Kelly Field No. 1, San Antonio, Tex.

Wente, Walter C., '17, Sergeant, Field Hospital 329, Sanitary Train 308, Camp Sherman, O.

Williams, Chester A., '17, 2nd Lieutenant, Field Artillery, 311th Ammunition Train, Company B., Motor Section, Camp Grant, Ill.

Woodling, Wayne C., '18, Certified in Draft.

NON-GRADUATES.

Abbott, Edward B., '10, Captain, Artillery.

Adams, Stanley, '08, Corporal, Coast Artillery.

Amour, Lewellyn, '18, Camp Sevier, S. C.

Buck, Ralph R., '18, Landsman's Quartermaster Department, U. S. Navy, Pensacola, Fla.

Charman, Howard C., '15, 1st Lieutenant, Cavalry, Fort Douglass, Ariz.

Cortelyou, Chester H., '18, Private, Mechanical Division, Aviation Corps, Jefferson Barracks, Mo.

Duncan, John M., '08, 2nd Lieutenant, Field Artillery.

Ewens, Edwin, '19, 2nd Lieutenant, Coast Artillery.

Goodman, Edwin R., '17, 1st Lieutenant, Infantry, O. R. C.

Grafe, P. J., '18, Private, Engineers Corps, American Expeditionary Forces, France.

Kurpees, Leland S., '20.

Lammers, R. Earl, '14, Sergeant, First Truck Company, 309th Ammunition Train, Camp Taylor, Ky.

Mering, Fred W., '20, U. S. S. Smith, care Postmaster New York City.

Miller, Ivan C., '18, Aviation Corps, Ellington Field, New York City.

Offutt, R. Keith, '17, 1st Lieutenant, Machine Gun Company, 152nd Infantry, Camp Shelby, Miss.

O'Neil, Robert E., '20.

Petri, J. Stanley, '19, Camp Shelby, Miss.

Pruett, James R., '14, Private, 5th Cavalry, Fort Bliss, Texas.

Puckett, Edward L., '11, Aviation Corps.

Reese, Joseph, '19, Machine Gun Company, 33d Infantry, Camp Taylor, Ky.

Reynolds, Myron B., '04, Captain, 305th Engineers, Camp Lee, Va.

Rohm, Arthur, '13, 1st Lieutenant, 340th Field Artillery, Trench Motor Battery, Camp Funston, Kans.

Scott, Richard, '18, U. S. S. Florida, care Postmaster, New York City.

Seovell, Robert J., '08, 2d Lieutenant, Instructor American University, Washington, D. C.

Smith, Chester C., '18, Sergeant, Medical Corps, Fort Riley, Kans.

Snead, J. Melvin, '08, Captain.

Steege, Ernest R., '16, 2nd Lieutenant, Company L, 343d Infantry, 84th Division, Camp Grant, Ill.

Stone, George M., '02.

Thomas, Herbert C., '09, 1st Lieutenant.

CIVILIAN SERVICE.

Dreifus, Alvin, '12, Bureau of Yards and Docks, Navy Department, Washington, D. C.

Edwards, Edmund P., '99, National Council of Defense.

Frisz, Frederick J., '09, Ship Draftsman, Bureau of Construction and Repair, Navy Department, Washington, D. C.

Hood, Ozni P., '85, Chief Mechanical Engineer, U. S. Bureau of Mines.

Housum, Chenoweth, '02, Mechanical Engineer, Bureau of Mines, Worcester, Mass.

Layman, W. Arnold, '92, National Council of Defense.

Lewis, L. Wallace, '13, Submarine Draftsman, Balboa Heights, Panama Canal Zone.

Madison, Richard D., '13, Ordnance Department, U. S. Army, Washington, D. C.

Moore, Roy D., '14, Inspector of Engineering Materials, Navy Department, Philadelphia, Pa.

Pirtle, Claiborne, '98, National Council of Defense.

Putnam, George R., '90, Bureau of Lighthouses, Commissioner, Washington, D. C.

Rector, John C., ex-'17, Sea Coast Division, War Department, Washington, D. C.

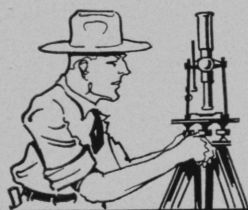
Stilz, Oscar W., '15, Aeroplane Division, Nordyke Marmon Company, Indianapolis, Ind.

Stone, Sam P., '16, Bureau of Mines, American University Experiment Station, Washington, D. C.

Stuart, Ralph A., '16, Inspector Section, Equipment Division, Signal Corps, Detroit, Mich.

Wallner, Edward P., '15, Aeroplane Division, Nordyke Marmon Company, Indianapolis, Ind.

Whelan, Vern J., '17, Aeroplane Motor Inspector, Nordyke Marmon Company, Indianapolis, Ind.



ALUMNI



REPORT OF THE THIRTY-SECOND ANNUAL MEETING OF THE ROSE POLYTECHNIC ALUMNI ASSOCIATION, FRIDAY, JANUARY 4, 1918.

The thirty-second annual meeting of the Rose Polytechnic Alumni Association was called to order by President Shook, '11, in the Freehand Drawing Room of the Institute at 11:30 A. M., January 4, 1918.

The minutes of the last meeting were read and approved.

The Treasurer then presented the following report:

To the Rose Polytechnic Alumni Association:

I herewith submit the Treasurer's report for the period from June 5, 1917, to Jan. 3, 1918:

ALUMNI FUND.

Receipts.

Balance on hand, June 5, 1917	\$ 381.79	\$ 544.79
Dues for 1916-17 since last report	\$ 381.79	
Dues for 1917-18	54.00	
Dues for 1917-18	109.00	
Total receipts		\$ 544.79

Disbursements.

To Election Committee..	\$ 36.36
To Executive Committee..	66.17
Current Expenses of Secretary:	
Banquet Deficit	\$ 24.16
Traveling expenses of committee members....	47.84
Printing, Postage, Clerk and Miscellaneous	67.25
Technic for annual report	112.80
Total Disbursements...	\$ 354.58
Bal. on hand Jan. 3, '18	\$ 190.21

BANQUET FUND.

Receipts.

Cash received at Banquet..	\$ 198.00
Cash from Alumni Fund..	24.16
	\$222.16

Disbursements.

Hotel, Waiters, Cigars..	\$ 172.50
Menus	11.66
Entertainers	38.00
	\$222.16

LOAN FUND.

Bal. on hand June 5, '17..	\$1,003.81
Interest on Bank Deposits	14.48
Interest on Loan No. 3..	5.25
Bal. on hand Jan. 3, '18	\$1,023.54

Bills Receivable.

Bal. on hand June 5, '17..	\$ 535.00
Loan No. 10	100.00
Loan No. 13	65.00
Loan No. 14	100.00
	\$ 800.00
By cash, Loan No. 3.....	75.00

Bal. Jan. 3, 1918.....	\$ 725.00
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ROSE TECHNIC SUBSCRIPTIONS.

Subscriptions received to Jan. 3, 1918.....	\$ 58.00
Paid to Business Manager of Technic	\$ 58.00

FUNDS ON HAND.

Loan Fund, Jan. 3, '18..	\$1,023.54
Alumni Fund, Jan. 3, '18.	190.21
	\$1,213.75
Bills receivable Jan. 3, '18	\$ 488.75
Cash balance	\$ 488.75

CASH IN BANKS.

Terre Haute Trust Co., Savings Dept.	\$ 339.23
Terre Haute Trust Co., Checking Account	102.88
Cash on hand Jan. 3, '18.	\$ 442.11
Check not yet deposited..	46.64
Total	\$ 488.75

Respectfully submitted,

CARL WISCHMEYER,
Secretary-Treasurer.

W. A. Layman, '92, chairman of the special committee on revision of Constitution, made a report on the activities of his committee. His report on the revision of the Constitution was

made in the Secretary's letter of Dec. 5. In reply to this letter 117 replies were received, of which 94 voted in favor, 3 against and 20 did not vote. Whereupon the constitution and by-laws, in their new form, were declared adopted, subject to a few minor changes to be suggested later in the meeting.

On the question of granting degrees to non-graduates, which was also investigated by this committee, Mr. Layman reported that letters had been written to a number of colleges and universities, and the Universities of Michigan and Illinois were the only two which had ever granted degrees to non-graduates. All other replies received indicated that the various colleges did not grant any such degrees. Therefore the committee reported that it did not recommend the granting of degrees to non-graduates. Hammel, '01, stated that Rose was in a rather unique position inasmuch as so many of the non-graduates had contributed to the building fund. Layman replied that both Stevens and Massachusetts Institute of Technology had recently gone through a similar campaign and their non-graduates had contributed. Layman moved that the committee be instructed to prepare a report recommending that the matter be left to the judgment of the Faculty, also to print a letter and send to all members, and that the committee be discharged. Seconded by Hammond, '89. Carried.

The Secretary read letters from A. M. Hood, '93, and Benjamin McKeen, '85, making suggestions for changes in the constitution. These suggested changes were then adopted as follows:

In Art. III, Sec. 1, reading "Any member in arrears of dues shall be deemed inactive" the words "for the current year" were inserted following the word "dues." Layman stated that this had been the intention of the committee, and on motion of Foltz, '86, seconded by Schwartz, '01, this change was adopted.

In Art. IV, Sec. 2, the word "majority" was changed to "plurality." On motion of Layman, seconded by McLellan, '99, the following sentence was added to this section: "In the election of the President, the man receiving the second highest number of votes shall be declared elected Vice-President."

Moved by Foltz, '86, seconded by Layman, '92, that the first sentence of Art. V be changed to read as follows: "The Annual Business Meeting shall be held on Commencement Day at such time and place as the Executive Committee may designate."

Moved by Wiley, '89, seconded by Layman, '92, that in Art. III of the By-Laws there be inserted following the word "members" the words "payable at the beginning of the college year." Carried.

Layman, '92, made an oral report as retiring member of the Board of Managers, in which he said that in former years one of the duties of the Alumni members was to make a trip of inspection to the Institute, and that he would like to see this custom revived. He therefore presented the following motion: Resolved that the Alumni Representatives on the Board of Managers include in their annual report a report on the physical condition of the Institute and also on the status of the Faculty and curriculum as compared with those of other institutions, and that the Secretary annually remind the Representatives that such a report was to be made. Seconded by McLellan, '99, and carried.

At this time the roll was called, and the following men answered: '86, Foltz and Scott; '88, Peddle; '89, Hammond and Wiley; '92, Layman; '93, Johonnott; '94, Hildreth; '99, McLellan; '01, Hammel and Schwartz; '05, Snider; '06, Rotz and C. Wischmeyer; '08, Jackson; '09, Armstrong; '10, Hay and Stahl; '11, W. H. Evans, K. R. Garst, Newhart and Shook; '12, B. L. Heer and Wentz; '17, Hild; '18, Allen, Bake, Bolton, Charman, Cornell, da Cunha, Curtis, Decker, Failing, Falls, Geiger, Harbulak, D. B. Henry, G. B. Henry, Howard, Hutchinson, Klatte, Long, McKee, Mikels, Orr, Springer, VanBuren, Wildermuth, Williams, Woodling and Yatsko.

Peddle, '88, reported that Dr. White had invited the Alumni to enter the theatre at the commencement exercises along with the speakers, faculty and student body. On motion of Layman, '92, seconded by Schwartz, '01, it was decided to march in as suggested, and Foltz, '86, was appointed Grand Marshal.

Pres. Shook introduced Mr. R. W. Gilbert, Athletic Director, who by a recent action of the Board of Managers, was made a member of the Faculty. Gilbert spoke of the financial side of athletics at Rose and suggested that some form of assistance from the Alumni would be welcomed. Long, '18, who just finished his term as financial secretary, reported a debt of about \$1500, which the Athletic Association expects to be able to meet now that Gilbert's salary is paid by the Institute. However, financial assistance from the Alumni would be a great help in carrying out successfully the conduct of

athletics at Rose. B. L. Heer, '12, suggested selling season tickets to Alumni located in Terre Haute, and also to other Alumni. Layman, '92, said that he felt the Alumni should help, and suggested selling membership tickets, having several grades of membership with dues from \$1.00 to \$5.00 per year. Hammel, '01, said that he believed that Terre Haute Alumni should pay more than Alumni located elsewhere. Schwartz, '01, suggested the formation of an Alumni Athletic Association which should be entitled to representation of the Athletic Board, just as each undergraduate class is now represented. McLellan, '99, expressed himself in favor of immediate action.

On motion of Foltz, '86, seconded by Peddle, '88, and amended by Layman, '92, and Heer, '12, the President was instructed to appoint a permanent committee of three to co-operate with the Athletic Association in getting funds from the Alumni, it being the sense of this meeting that the Alumni should contribute to the cause. Further, this committee should have the power to act without referring back to the Alumni Association the planning and carrying out of the scheme being left entirely to the committee.

Mr. Gilbert reported that no further progress had been made in the "R" Association, as the leading men in this movement were now in the military service.

On motion of Foltz, '86, seconded by Hammond, '89, a vote of approval was tendered to the Board of Managers for their action in making Mr. Gilbert a member of the Faculty. Also a vote of thanks to Mr. Gilbert and the football team for their splendid record last season.

Moved by Layman that the Secretary be instructed to convey to Mrs. Burton the thanks of the Association and accompany same with a suitable floral token. Seconded by McLellan, and carried.

The Treasurer reported that expenses were increasing but the income from dues was not. After some discussion participated in by Garst, '11, Foltz, '86, and Hammond, '89, the Treasurer was instructed to use "follow-up" methods and try to collect dues from a larger part of the membership.

The election committee submitted the following report:

To the Members of Rose Polytechnic Alumni Association:

Your committee on Elections hereby submit their report of election of officers for 1918 and 1919.

In reply to request for nominations 177 answers were received, of these:

W. A. Layman, '92, received 100 votes.
John T. Wilkin, '86, received 22 votes.
Robert N. Miller, '01, received 13 votes.
Luther S. Rose, '92, received 24 votes.
O. E. McMeans, '96, received 18 votes.

W. A. Layman and Luther S. Rose becoming candidates for election as Alumni Representatives on the Board of Managers.

On final ballot:

W. A. Layman, '92, received 150 votes.
Luther S. Rose, '92, received 37 votes.

For President and Vice-President:

Walter B. Wiley, '89, received 61 votes.
William J. Fogarty, '92, received 20 votes.
James S. Royse, '94, received 78 votes.
B. L. Herr, '12, received 8 votes.
George F. Standau, '10, received 19 votes.

Respectfully submitted,

CHARLES E. SCOTT,
E. S. JOHONNOTT,
R. L. McCORMICK,

Committee on Election.

Whereupon W. A. Layman, '92, was declared elected Alumni Representative on the Board of Managers; James S. Royse, '94, President; and W. B. Wiley, '89, Vice-President.

Moved by Foltz, '86, seconded by Schwartz, '01, that the minutes of the meeting be sent out by the Secretary with his next letter. After considerable discussion by Garst, Hild, Schwartz, Layman, Hammond, Foltz and McLellan, most of whom were in favor of having the minutes published in THE TECHNIC as usual, the motion was withdrawn, and on motion of Hammond, '89, seconded by Wiley, '89, the decision was left to the Executive Committee.

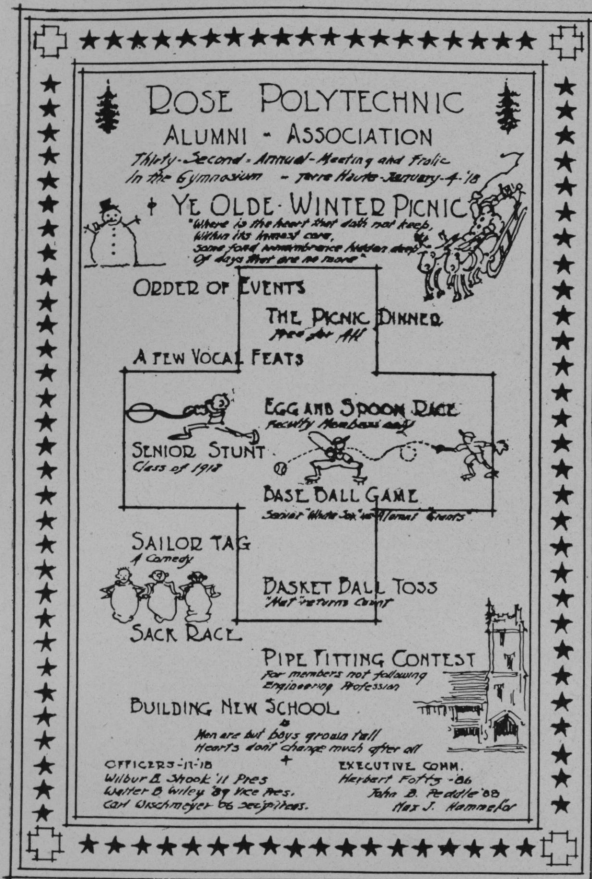
Schwartz, '01, Peddle, '88, and Foltz, '86, were nominated as members of the Executive Committee. On motion of Wiley, '89, seconded by McLellan, '99, the nominations were closed and the Secretary instructed to cast one ballot for the men named.

In response to request for nominations for President and Vice-President, Wiley, '89, Shook, '11, Hammond, '89, Schwartz, '01, and B. L. Heer, '12, were nominated. Nominations were closed on motion of McLellan, '99, seconded by Hay, '10.

On motion of Wiley, '89, seconded by Schwartz, '01, a vote of thanks was extended to Mr. P. W. Klinger for consenting to deliver the Alumni Address at the Commencement Exercises this evening.

Adjourned at 1:45 P. M.

Alumni Picnic



THE thirty-second annual gathering of the alumni was held in the Rose Gym on Friday evening, Jan. 4th, 1918. The whole affair was strictly informal which permitted the "stunts" to go off with the desired "pep." To begin with all who entered were requested to buy red tickets for transportation to the "Picnic Grounds." When the Bus arrived it was found that 'Fessor Hathaway had accepted the position as conductor. He took the fares without missing a one and compelled everyone to take a small green transfer which later was necessary as admission to the festivities.

Upon arriving the first thing to meet the eyes of the hungry Grads was a table in the center of the floor with a large keg in the center and surrounded by plates of ham sandwiches, brick cheese, sour and sweet pickles, cold chicken,

cups of steaming coffee, cigars, cigarettes and peanuts. Dr. Mees was the first to try the contents of the keg and pronounced it perfectly good red lemonade. After the eats Dr. Mees gave a short and interesting talk on the war.

The stunts were then announced, the first being a faculty egg and spoon race in which each member was required to pick up an egg with a spoon, carry it across the gym and return which all did successfully. Luckily none were broken. In the race Prof. Wagner easily won in a walk while 'Fessor Hathaway was the last to return the egg in its proper place.

The surprise of the evening came when the seniors gave a burlesque on "The Evolution of a Rose Student," a take off on a Rose Faculty meeting in which each senior ably portrayed a member of the faculty. Several underclassmen were called in and reprimanded for their general conduct.

After the faculty meeting a challenge was offered Captain Bake of the Senior Misfits by the captain of Shook's Bearcats which was immediately answered by the crack of the bat. This game lasted 10 innings when the Misfits finally succeeded in putting the extra man across the plate for the final score 15-14. The Grads insist that the defeat was due to the rotten umpiring but the official's name has not been heard. Following was a basketball contest in tossing foul goals in which Yatsko far outclassed his fellow students and faculty alike. In conclusion of the physical activities several sections of pipe and fittings were produced and the whole crowd set to work to run the line. However there was no competition and the entire crew worked in perfect harmony. When the O. K. was given to the system by Prof. Wagner the party broke up due to the late hour. The following men were present: Armstrong, '89, W. H. Evans, '11, Foltz, '86, Garst, '11, Hammel, '01, Hammond, '89, Hay, '10, Insley, '00, Jackson, '08, Johnson, '92, Layman, '92, McLellan, '99, Mace, '12, Newhart, '11, Peddle, '88, Rotz, '06, Schwartz, '01, Scott, '86, Shook, '11, Snider, '05, Stahl, '10, Stuart, '16, Wentz, '12, Wiley, '89, Hild, '17, Harbulak, '18, Bolton, '18, VanBuren, '18, Stoner, '18, Falls, '18, Cornell, '18, Klatte, '18, Hutchinson, '18, Geiger, '18, Bake, '18, Mikels, '18, Howard, '18, Decker, '18, Woodling, '18,

Williams, '18, Orr, '18, da Cunha, '18, Yatsko, '18, G. Henry, '18, D. Henry, '18, Gouvea, '18, Minnick, '18, McKee, '18, Charman, '18, Allen, '18, Failing, '18, and Long, '18.

ALUMNI NOTES.

Richard Fishback, '12, is with the Dravo-Doyle Co., as salesman at the Cleveland Office.

R. D. Leitch, '16, is now with the Du Pont de Nemours Co., at Arlington, N. J.

Walter L. Decker, '96, has accepted a position as Construction Engineer with the American Shipbuilding Co., Cleveland, O.

J. Chas. Young, '92, is with the Northern Indiana Gas & Electric Co., Hammond, Ind.

Allen D. Merrill, '16, has accepted a position with the Shourds Construction Co., Terre Haute, Ind.

L. J. Backman, '17, is with the Tennessee Coal Iron & Railway Co., Fairfield, Ala.

A. A. Bareuther, '10, is now with the American Steel Export Co., New York City.

John F. O'Brien, '16, is with the Du Pont de Nemours at Wilmington, Del.

Frank H. Wentz, '12, who has been with the Riverside Metal Co., at Riverside, N. J., is now with the Richards-Wilcox Manufacturing Co., of Aurora, Ill., as their representative at Cincinnati, O.

Chesleigh Gray, '13, who was stationed at Garden City, N. J., has been transferred to Camp Sevier, Greenville, S. C., where he expects to be for several weeks. His new address is, Recruiting Depot, Aviation Section Signal Corps, U. S. R., Camp Sevier, Greenville, S. C.

H. B. Hammond, '09, who was with the Westinghouse Manufacturing Co., at New York, is now with the firm of Young, Corley and Dolan Inc., New York.

Lieut. Loren T. McKee, '11, who was at Fort Sheridan in the 2nd R. O. T. C., has been assigned to the 109th Ammunition Train at Fort Oglethorpe, Ga.

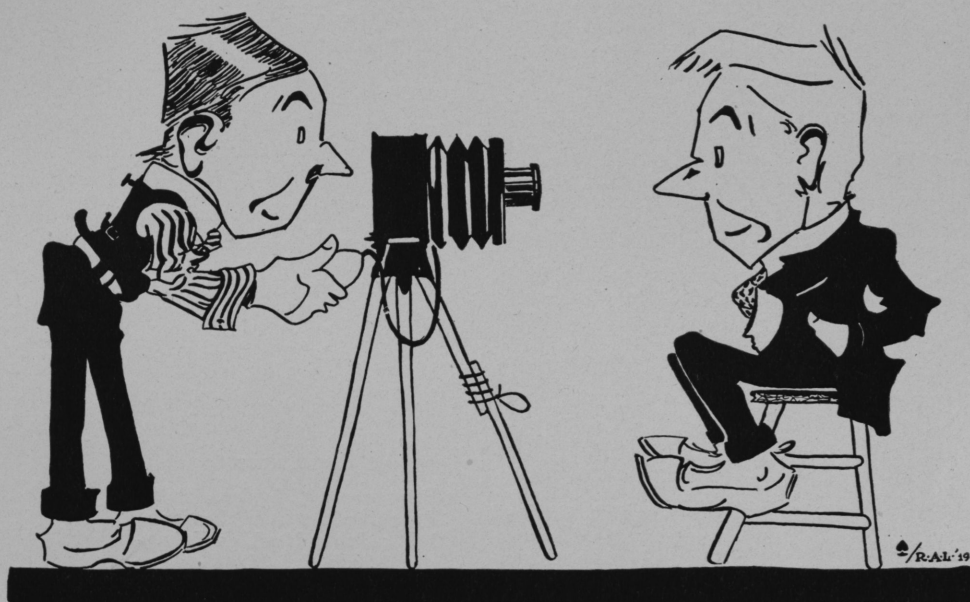
Capt. E. J. Miner, '07, is captain of the 313th Engineers R. C., stationed at Camp Dodge, Ia.

"So long, boys!"



Where '18 is Bound

Allen, LeRoy, Certified in Draft.
 Bake, Louis S., Graduate Student, Henry Kendall College, Tulsa, Okla.
 Bolton, John W., Proctor Gamble Soap Co., Kansas City, Mo.
 Charman, Walter M., Youngstown Sheet & Tube Co., Youngstown, O.
 Combs, Bert L., 3d Officers Training Camp, Camp Morse, Leon Springs, Texas.
 Cornell, Erlund B., Snider & Rotz, Consulting Engineers, Indianapolis, Ind.
 da Cunha, Lix, Post Course, Rose Polytechnic Institute.
 Curtis, Paul B., Deputy State Chemist, Purdue Laboratories.
 Decker, C. Ray, General Electric Co., Schenectady, N. Y.
 Failing, C. Krieg, General Electric Co., Schenectady, N. Y.
 Falls, Chester W., General Electric Co., Schenectady, N. Y.
 Geiger, Carl E., Jr., Camp Taylor, Ky.
 Gouvea, Antonio, General Electric Co., Schenectady, N. Y.
 Harbulak, Harry J., Diamond Chain Co., Indianapolis, Ind.
 Heedwohl, Leslie J., Grasselli Dye Works, Grasselli, N. Y.
 Henry, David B., Certified in Draft.
 Henry, George B., Camp Taylor, Ky.
 Howard, Daniel M., Camp Taylor, Ky.
 Hutchinson, Herbert, Nela Lamp Co., Cleveland, O.
 Klatte, Frederick G.
 Long, Robert P., Penn. R. R., Terre Haute, Ind.
 McKee, Chauncey S., D. B. Shourds Engineering Co., Terre Haute, Ind.
 Mering, George V., Illinois Central R. R., Chicago, Ill.
 Mickels, John W., General Electric Co., Schenectady, N. Y.
 Minnick, Earl D.
 Orr, James E., Westinghouse Electric Co., Wilkesburg, Pa.
 Price, Ralph E., Camp Sherman, O.
 Robinson, Goldsborough, Camp Alfred Vail, N. J.
 Springer, Fred W., Weather Bureau, Knoxville, Tenn.
 Stoner, Paul A., D. B. Shourds Engineering Co., Terre Haute, Ind.
 Van Buren, Elmer E., Grasselli Chemical Co., Cleveland, O.
 Vrydagh, Julian A., Pittsburg Des Moines Co., Pittsburg, Pa.
 Wildermuth, J. Arthur, General Electric Co., Schenectady, N. Y.
 Williams, Elmer F., DuPont de Nemours & Co., Arlington, N. J.
 Woodling, Wayne, Certified in Draft.
 Yatsko, Andrew, General Electric Co., Schenectady, N. Y.





THE FACULTY



CARL LEO MEES, President.

B. S., Ohio State University, 1871; M. D., Starling Medical College, 1875; Berlin, 1880-81; Ph. D., South Kensington, 1892.



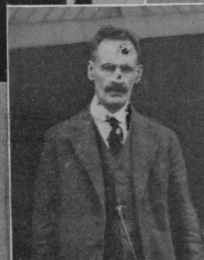
JOHN WHITE, Vice-President.

Professor of Chemistry, A. B. Johns Hopkins University, 1888; A. M. and PhD, 1891.



MALVERD A. HOWE.

Professor Emeritus of Civil and Architectural Engineering. B. S., Norwich University, 1882; C. E., Dartmouth College, 1886.



ARTHUR S. HATHAWAY.

Professor of Mathematics. B. S., Cornell University, 1879; Johns Hopkins University, 1882-84.



JAMES A. WICKERSHAM.

Professor of Languages. B. S., Kansas University, 1876; A. B., 1878; A. M., 1881.

JOHN B. PEDDLE.

Secretary of the Faculty. Professor of Machine Design. B. S., Rose Polytechnic Institute, 1888; M., S. 1895; M. E., 1900.

FRANK C. WAGNER.

Professor of Mechanical and Electrical Engineering. A. M., University of Michigan, 1884; B. S., 1885.

EDWIN S. JOHONNOTT.

Professor of Physics. B. S., Rose Polytechnic Institute, 1893; Johns Hopkins University, 1895-96; M. S., Rose Polytechnic Institute, 1897; Ph. D., University of Chicago, 1898.

ROBERT L. MCCORMICK.

Professor of Mechanics and Associate Professor in Civil Engineering. B. S., Rose Polytechnic Institute, 1891; M. S., 1906; C. E., 1907.

CLARENCE C. KNIPMEYER.

Associate Professor of Electrical Engineering. B. S., University of Michigan, 1907.





Antonio Gouvea.
"Tony." Mechanical.
Class Vice-President, (2). Cheer
Leader, (4).



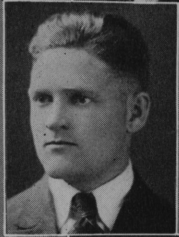
Harry J. Harbulak.
"Arry." Mechanical. P. I. E. S.



Leslie J. Heedwohl.
"Les." Chemical. V. Q. V. Alpha
Chi Sigma.
Major, Rose Battalion, (4). As-
sistant Basketball Manager (3).
Track, (1, 2). Basketball, (2, 3).
Minstrel Show, (4).



David B. Henry.
"Dave." Mechanical. Beta Phi.
Track, (1, 2). Glee Club, (1, 2).
Camera Club, (2).



Daniel M. Howard.
"Scrooby." Civil. Alpha Tau
Omega.
Athletic Association, (1, 2). Stu-
dent Council, (3). Basketball, (2, 3).
Football, (4).



Herbert Hutchinson.
"Hutch." Electrical.
Y. M. C. A., (1, 2, 3, 4). Honor-
able Mention, (1, 2, 3, 4).



Frederick G. Klatte.
"Fritz." Mechanical.

Robert P. Long.

"Bob." Civil. P. I. E. S.
Class President, (3). Student
Council, (3). President Student
Council, (4). Financial Secretary,
(3, 4). Technic Staff, (3).



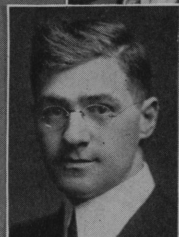
C. Samuel McKee.

"Sam." Civil. Alpha Tau Omega.
Track, (1, 2).



George V. Mering.

"Georgie." Civil.
Camera Club, (1).



John W. Mikels.

"Jawn." Mechanical. Sigma Nu.
Class Secretary, (2). Base Ball,
(1, 2, 3).



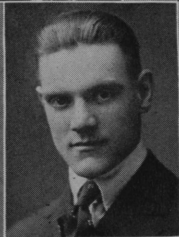
Earl D. Minnick.

"Deedle," Electrical, P. I. E. S.



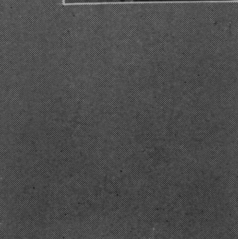
James E. Orr.

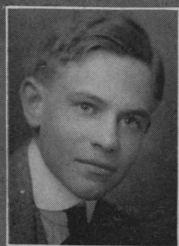
"Doc." Mechanical. Sigma Nu.
Athletic Association, (1, 2, 3,
President, 4). Basketball, (1, 2, 3,
Captain, 4). Football, (2, 3, 4).



Ralph E. Price.

"Pricey." Architectural. Beta Phi.



**Goldsborough Robinson.**

"Robby." Electrical. Beta Phi. Class President, (4). Secretary Student Council, (4). Technic Staff, (3). Winner of Heminway Freshman Medal and Heminway Gold Medal. Honorable Mention, (2, 3).

**Raymond Shorten.**

"Dick." Electrical. Theta Xi. Mandolin Club, (2,).

**Fred W. Springer.**

"Chick." Civil. P. I. E. S. Football, (1, 2, 3, 4). Minstrel Show, (3, 4).

**Paul A. Stoner.**

"Ab." Civil. Beta Phi. Minstrel Show, (3).

**John A. Wagner.**

"Waggie." Mechanical. Theta Xi. Class Secretary-Treasurer, (3). Technic Staff, (2, 3). Football, (2, 3). Track, (2).

**Elmer E. Van Buren.**

"Shorty" Chemical.

**J. Arthur Wildermuth.**

"Art." Electrical. P. I. E. S.

**Elmer F. Williams.**

"Willie." Chemical. Beta Phi.

**Wayne C. Woodling.**

"Bill." Mechanical. Theta Xi. Football, (1, 2, 3). Football Manager, (4).

**Andrew Yatsko.**

"Andy." Electrical. V. Q. V. Class Secretary-Treasurer, (4). Athletic Association, (3). Football, (1, 2, 3). Baseball, (1, 2, 3). Basketball, (1, 2). Honorable Mention, (4).

**John W. Bolton.**

"Johnnie." Chemical. Alpha Chi Sigma. Football, (2, 3, 4). Track, (2).

**Paul B. Curtis.**

"Parson." Chemical. Alpha Chi Sigma.

**George B. Henry.**

"Seed." Chemical. Sigma Nu. Football, (1, 2, 3, 4). Basketball, (2, 3). Minstrel Show, (4).

**Julian A. Vrydagh.**

"Julius." Civil. Honorable Mention, (2).

JUNIORS

CLASS OFFICERS

ALVIN H. BARNES.....President
JOHN R. CAIN.....Vice-President
J. WALTER HAUCK.....Secretary

Dewitt P. Cromwell.

"Fish." Mechanical. Alpha Tau Omega.
Track Manager, (3). First Lieutenant, Company B. Rifle Club, (3). Camera Club, (1,2,Vice-President,3).



Raymond F. Abbett.

"Red." Chemical. V. Q. V. Alpha Chi Sigma.
Rifle Club, (3).

Arthur L. Ervin.

"Art." Chemical. Alpha Tau Omega.
Technic Staff, (3).



Benjamin F. Anthony.

"Ben." Electrical.

Owen G. Floyd.

"Slivers." Electrical. Sigma Nu.
Football, (1, 2, 3). Basketball, (1, 2, Captain, 3). Track, (1).



Alvin N. Barnes.

"Butch." Mechanical. V. Q. V. Class President, (3). Football (1, 2, 3, Captain-elect, 4). Basketball Manager, (3). Baseball, (1, 2, 3). Modulus Dance Committee, (3).

Paul L. Fuqua.

"Fuqua." Architectural. V. Q. V.



John R. Cain.

"Johnny." Mechanical. V. Q. V. Class Vice-President, (3). Modulus Committee, (3).

Adolph A. Geiger.

"Dutch." Mechanical. V. Q. V.

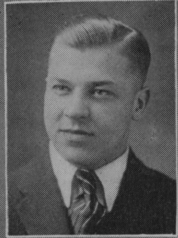


Fred M. Crapo.

"Fritz." Electrical. Alpha Tau Omega.
President, Student Council, (3). Editor-in-Chief, Rose Technic, (3). Football, (1, 2). Track, (1). Minstrel Show, (3). Chairman Y. M. C. A. Campaign Committee, (3).

Richard P. Gillum.

"Dick" Mechanical. Alpha Tau Omega.
Class Secretary-Treasurer, (1, 2). Modulus Committee, (3). Minstrel Show, (2, 3).



**T. Walter Hauck.**

"Haucky." Mechanical. V. Q. V. Class Secretary-Treasurer, (3). Football, (1). Baseball, (1, 2).

**Herschell A. Hearn.**

"Hersch." Electrical. V. Q. V. Athletic Association, (2, 3). Baseball, (1, 2, Manager, 3).

**Harold L. Kessler.**

"Hap." Electrical. Student Council, (2). Camera Club, (1, 3, President, 2).

**Alexander P. King.**

"Alex." Mechanical. Alpha Tau Omega. Class Vice-President, (1).

**Richard A. Leathers.**

"Dick." Mechanical. Alpha Tau Omega. Technic Staff, (3). Modulus Committee, (3).

**Ivan S. Mendenhall.**

"Mendy." Electrical. Beta Phi. Rifle Club, (3). Camera Club, (1, 2, 3).

**Emmet L. Miller.**

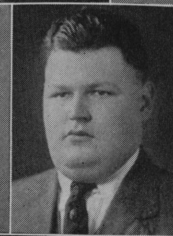
"Red." Chemical. V. Q. V. Alpha Chi Sigma.

George M. Owens.

"George." Chemical. P. I. E. S. Alpha Chi Sigma. Athletic Association, (2). Technic Staff, (3).

**Frank F. Peker.**

"Fat." Mechanical. V. Q. V. Chairman Freshman Banquet Committee. Freshman Scrap Captain. First Lieutenant Quartermasters Department, (3).

**John K. Piety.**

"Johnnie." Mechanical. Alpha Tau Omega. Modulus Dance Committee, (3).

**Adolph E. Reinhard.**

"Ick." Mechanical. V. Q. V. Athletic Association, (1, 2, 3). Baseball, (1, 3, Captain, 2). Football, (3). Basketball, (1, 3, Captain, 2).

**Aaron W. Richardson.**

"Richie." Electrical. Beta Phi.

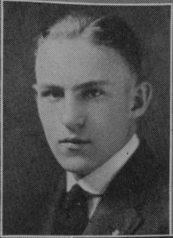
**Herman G. Schlaman.**

"Baron." Chemical. Theta Xi. Second Lieutenant, Company A, (3). Rifle Club, (3). Mandolin Club, (2).

**Lester S. Stinson.**

"Stinny." Mechanical. Theta Xi. Chairman Banquet Committee, (2, 3). Business Manager of Technic, (3). Student Council, (3). Football, (2, 3). Honorable Mention, (1).





H. Winton Streeter.

"Wint." Mechanical. Alpha Tau Omega.
Class President, (2). Technic Staff, (1, 2, 3). Athletic Association, (1). Modulus Dance Committee, (2, 3). Basketball, (1, 2, 3).



Robert L. Tilley.

"Bob." Civil. Sigma Nu.
Class President, (1). Student Council, (1). Football, (1). Track, (1). Minstrel Show, (2, 3).



R. Earl Wessel.

"Duke." Mechanical. P. I. E. S.



Simon Werbner.

"Si." Chemical.
Freshman Medal. Technic Staff, (2). Honorable Mention, (2).

Rudolph F. E. Wiedemann.

"Wiedie." Electrical. Theta Xi.
Vice-President Student Council, (3). Football, (1, 2, 3, Manager, 4). Track, (1). Captain, Company A, (3). Modulus Dance Committee, (2, 3). Chairman, Modulus Committee, (3). Secretary, Rifle Club, (3). Camera Club, (1, 2, President, 3). Mandolin Club, (1, 2). Y. M. C. A. (1, 2, Vice-President, 3). Minstrel Show, (2, 3).



Robin E. Woodruff.

"Woody." Chemical. Theta Xi.
Second Lieutenant Company B, (3). Minstrel Show, (2, 3). Honorable Mention, (1, 2).



John E. Zimmerman.

"Zim." Chemical. Theta Xi (Pledged).
Class Vice-President, (2). Scrap Leader, (2). Technic Staff, (3). Builder of Rose Elephant, (2). Major, Rose Battalion, (3). Rifle Club Vice-President, (3).

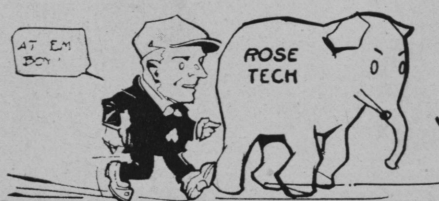


Robert J. Owen.

"Bob." Mechanical.
Tennis, (1, 2).

George R. Probst.

"Probsty." Mechanical.



SOPHOMORES



Harry E. Bierbaum, Allan S. Bixby, Benjamin F. Boring, Herbert Briggs, George W. Brooks, Andrew T. Brophy, George L. Brown, William C. Bryan, Robert O. Cash, George H. Defel, George D. Everingham, Harold C. Exline, Jerome D. Farmer, Marion G. Flesher, Karl A. Froeb, Frank N. Heubel, Kenneth M. Huston, Albert W. King, James S. King, Harold P. Kremer, Herman J. Lauterbach, Ronald C. Manson, Donald C. Maxwell, Glenn N. Maxwell, William H. Meadows, Whitecomb W. Moore, Arthur D. Orth, Walter L. Osmer, Clyde H. Pence, Fred M. Pence, Clarence I. Penna, Carl H. Penno, Gerdt C. Price, Frederick B. Ray, Jacob F. Reinking, Frank L. Reinmann, Ferdinand W. Rolshausen, Norman A. Ruston, Rex J. Self, Herbert B. Sliger, Stuart C. Stimson, Harry E. Stöck, Russell C. Stockmaster, Frank M. Stone, Gordon K. Woodling, Arthur P. Woolfolk, Clift W. Young.



WELL, I'VE
HAD TWO
GOOD CARS
SWIPED
THIS WEEK
ALREADY

FRESHMEN



Seymour N. Anderson, Karl Arleth, George R. Armstrong, Albert G. Belden, James R. Benham, Ray L. Biller, Raymond E. Binhaek, Harry E. Bolt, John G. Burns, Edwin H. Carnarius, Homer A. Clark, Henrique Correa, Carl J. Dedert, William R. Dedert, Jesse E. Dowen, Gilbert R. Epps, Max A. Faucett, Robert R. Gilkinson, Hubert T. Goodman, Lloyd Greenbaum, Earl W. Haley, Herbert Hanger, Amador Heres, Arthur D. Hill, Edward F. Jaenisch, Fenelon M. Johnson, William H. Junker, Fred H. Klatte, Herman J. Krausbeck, William H. Merry, Samuel J. Minar, John M. Moser, Earl Moses, Frederick R. Owens, Aubrey J. Pettus, Linden Pigg, Roland G. Rawlings, Sidney Reibel, Edward R. Ronald, Arthur G. Rosenbaum, Bruno Salles, John H. Schonefeld, Carl W. Schroeder, Robert E. Sewell, Robert L. Skidmore, Paul R. Smith, Milton H. Steffen, Donald M. Van Buren, Milton H. Vianna, Charles R. Voges, Irwin Wier.



Military Training at Rose

THE desirability of military training at Rose has been recognized by individual members of the faculty and student body for a considerable length of time but aside from sporadic attempts of the *TECHNIC* to stir up interest, no concerted action was taken until the latter part of April, 1916, when a petition for compulsory military training was circulated among the students. This petition was presented to the faculty with the signatures of practically every student in school. The faculty acted favorably on the petition and a three hour-a-week course was added to the curriculum.

The work of breaking in officers and men started immediately and was carried out as nearly as possible along the lines laid out in training camps. An officer's school was started and from the volunteers attending, the future officers and non-commissioned officers were selected by examination. By the middle of May the two companies comprising the Rose Battalion had been whipped into such good shape that it was decided to hold a competitive drill, both for companies and for individuals. With the announcement of this drill class spirit "perked up" and there grew a keen rivalry between Sophomore and Freshmen companies. The results of the drill were very gratifying to all except the Sophomores and these worthy gentlemen could scarcely be convinced that the Freshmen had won the Prize Sword offered by the Faculty.

With the Declaration of War by the United States, the faculty, in accordance with the policy of the school to do its bit, intensified military training and the course was made compulsory for Juniors as well as for Freshmen and Sophomores.

A large class under Dr. Geckler, a local physician, has practically completed a first aid course. F. M. Stone, '20, an ex-Marconi operator, has a class ready to take the government

examination for radio operators. Prof. Thomas has been conducting a class in military map making throughout the first term. During the more severe part of this winter the two infantry companies have been divided into classes for bayonet work, sentinel work, and drill regulations. Target practice is held regularly in the gallery by all members of the battalion. Prof. Coles, who has general supervision of the military course has been holding officer's school during the term.

Much of this work will be continued through the remainder of the school year and in addition several other courses are to be given.

In compliance with the government's suggestion made at a conference held recently in Washington, a course is being given in radio telegraphy, to embrace not only wireless telegraphy but ordinary telegraphy and other methods of conveying messages. Its purpose is to fit men for expert service in the field rather than to make operators of them. For this course the government will furnish all the necessary apparatus. Both Dr. Johonnott and Professor Knipmeyer have charge of the course. Mr. Walter O. Hensgen, expert radio aid U. S. Navy Department, Mare Island, San Francisco, Cal., is here to assist in starting the course and is expected to give a series of lectures upon the subject.

A course is also being given on the subject of ballistics, as applied especially to coast and field artillery. This course takes the place of the regular course in Junior applied mechanics and is being given by Professor McCormick.

A course in the subject of aerodynamics in its application to flying machines is being offered by Professor Thomas. It includes problems in aeronautics, supporting power of planes, the mechanics of propellers, etc.

In the department of languages, Professor Faurot is offering a course in military French open to Sophomores and Juniors. This course

will be chiefly conversational and deal with the subjects that the soldier in the service would need to talk about.

A rifle club recently has been organized with Prof. John B. Peddle, president. This club is a branch of the National Rifle Association.

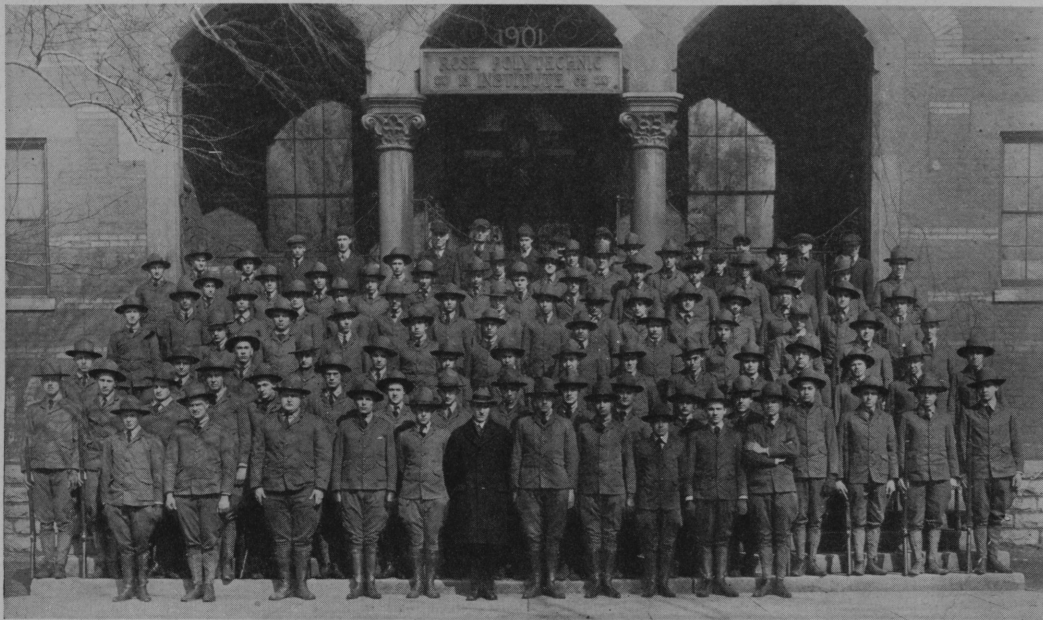
The government has promised to provide rifles for outdoor work and a range up to 500 yards will be fitted up at the Hulman farm for practice.

With the coming of spring also regular outdoor drill will be resumed and since it is re-

quired of all students there will be two companies of about 70 men each.

In order to promote interest and as an incentive to officers and non-commissioned officers an officer's club has been organized. This club provides for the furtherance of military knowledge and for the entertainment of its members.

The results of military training up to the present time have been such as to reflect considerable credit on the students at Rose. There is every reason to believe that there will be a constant increase in the efficiency of the Rose Military Organization.



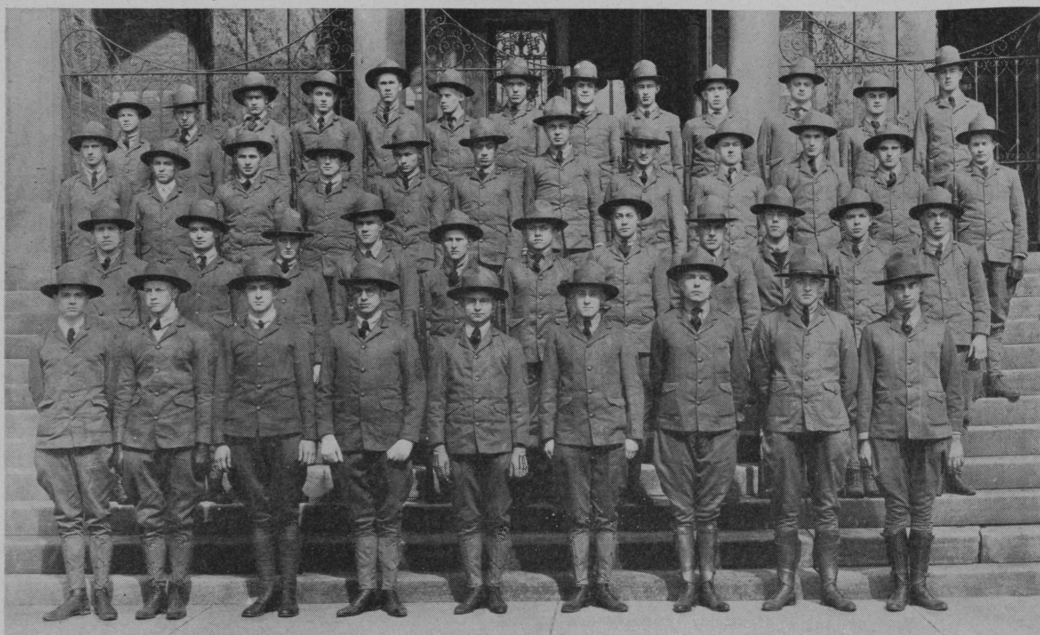
THE ROSE BATTALION

BATTALION STAFF

Major..... JOHN ZIMMERMAN, '19
 Adjutant..... KENNETH HUSTON, '20
 Sergeant Major..... STUART STIMSON, '20

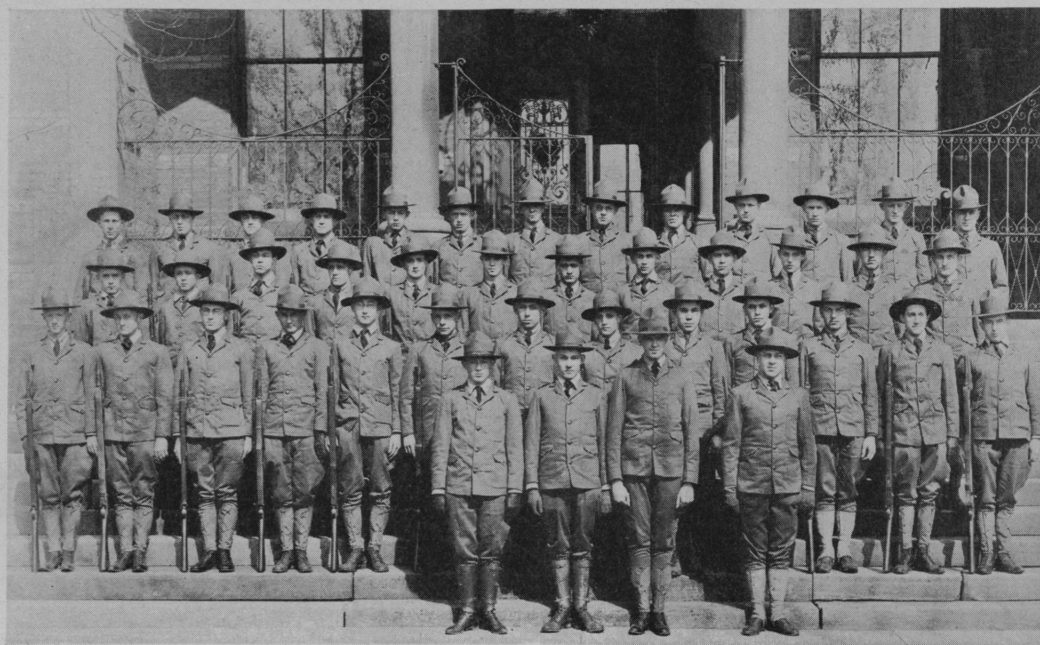
QUARTERMASTER DEPARTMENT

First Lieutenant..... FRANK F. PEKER, '19
 First Sergeant..... JAMES S. KING, '20
 Sergeants..... C. M. GRAY AND H. L. KESSLER, '20



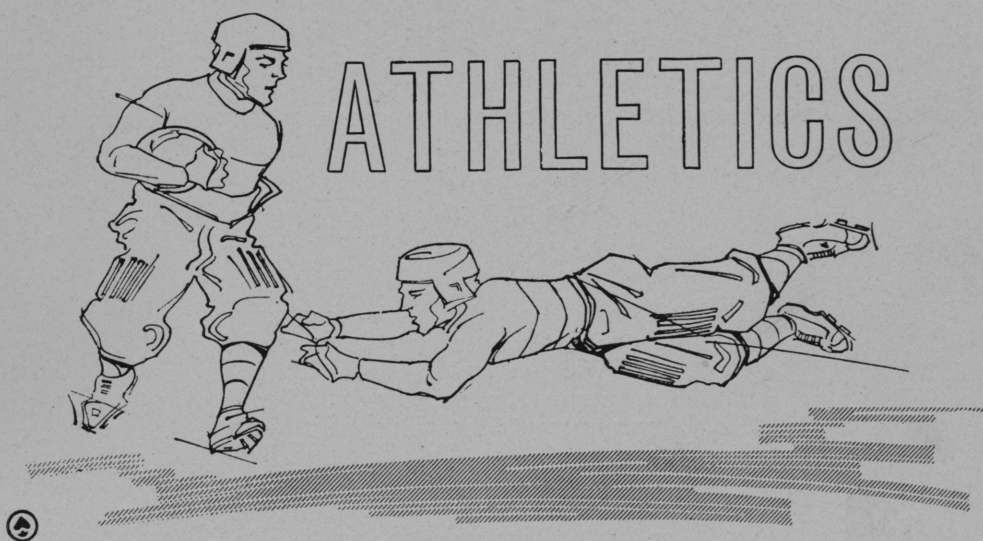
COMPANY A

Captain, R. F. E. Wiedemann, '19; First Lieutenant, D. P. Cromwell, '19; Second Lieutenant, H. G. Schlaman, '19; First Lieutenant Signal Unit, F. M. Stone, '20; First Sergeant, F. M. Crapo, '19; Sergeants, A. N. Barnes, '19, L. S. Stinson, '19, C. W. Young, '20, R. C. Cash, '20, R. C. Manson, '20, G. L. Brown, '20; Corporals, A. A. Geiger, '19, R. A. Leathers, '19, F. M. Pence, '20, H. E. Bierbaum, '20, A. S. Bixby, '20, R. L. Tilley, '19.



COMPANY B

Captain, J. A. Wallace, '21, (absent on leave); First Lieutenant, N. A. Ruston, '20; Second Lieutenant, R. E. Woodruff, '19; First Lieutenant Signal Unit, J. A. Engelhard, '20; First Sergeant, W. C. Bryan, '20; Sergeants, J. R. Cain, '19, J. E. Reinking, '20, J. W. Hauck, '19, D. C. Maxwell, '20, G. N. Maxwell, '20, F. L. Reinmann, '20; Corporals, A. P. Woolfolk, '20, A. E. Reinhard, '19, A. P. King, '19, H. J. Lauterbach, '20, R. P. Gillum, '19, J. K. Piety, '19.



THE GLORY OF THE "R."

THOUGH it is but a bit of undyed felt blocked in the shape of the letter "R" and worth only a few cents, it means much. It has a meaning to all of us, those who have gallantly won the right to its use, and those who have not been so fortunate. Yet to those who know not of the strivings which it demands it cannot hold the meaning which it possesses for those who have fought and won, and those who have fought and lost.

The "R" stands for sacrifice, for loyalty, for never-quit-ting grit, for sportsmanship, for courage, for labor, and, in its final attainment, for success.

It is not every year that Rose may claim the honors of a state champion. Rose teams are not always winners. Yet after all, that is an empty honor in itself. Our boast is that under the most trying circumstances, and in the face of worst defeat the old spirit of Play-the-Game and Never-Say-Die always stands triumphant.

That is why every wearer of the "R" is truly deserving of having his name inscribed on the Old Rose scrolls of fame. That is why these men are called **THE FIGHT-ING ENGINEERS.**



FOOTBALL

1917-1918



GRAFE,
Captain, 1917



BARNES,
Captain, 1918

Football, 1917, was one of the most successful seasons Rose has enjoyed in years. Of an exceptionally heavy schedule of ten games, Tech came out victors in six. Our I. C. A. L. games were all won with little effort. Hanover, Wabash, Franklin and Butler bowed to Coach Gilbert's huskies in their turn. Franklin was the only I. C. A. L. team to score on Tech. They were fortunate. DePauw, Washington University and St. Louis defeated Rose by one touchdown. The fiercest kind of fighting featured each contest. They were all games which were decided by "break" and Tech was the sufferer. With the I. C. A. L. championship won, Tech sought other honors when she met Missouri School of Mines on Thanksgiving Day. A



WOODLING,
Manager, 1917



WIEDEMANN,
Manager, 1918

20 to 0 victory added the title of Technical School Champions of the West and marked a fitting close to the '17 season.

Five members of the Varsity made all-state or all-I. C. A. L. selection. Bake, one of the best all-round players Rose has seen in years, was honored by selection as tackle on second all-state. Capt. Grafe drew quarter-back position on all-I. C. A. L. Springer was placed at end and Capt.-elect Barnes at tackle. Orr was the other Rose man honored when he made half-back.

In all, no better a season could be expected. Two championships, a victory over the Scarlet and half of the team on all-I. C. A. L. is enough to satisfy anyone for a year.

SUMMARY.

At Rose Campus.....	Rose 21, Alumni 6
At Greencastle	Rose 0, DePauw 6
At Hanover	Rose 51, Hanover 0
At Rose Campus.....	Rose 6, Wabash 0
At St. Louis	Rose 0, Washington 6
At Rose Campus	Rose 14, Franklin 6
At Detroit	Rose 0, Detroit 84
At Rose Campus	Rose 0, St. Louis 6
At Butler	Rose 26, Butler 0
At Ball Park	Rose 20, Missouri 0



Moses
 Barnes
 Henry
 Floyd
 Gray
 Grafe
 Bake
 Springer
 Engelhard
 Coach Gilbert
 Howard
 Orr
 Reinhard
 Brophy
 Burns
 Boring



GRAFE,
Captain

BARNES

BAKE

SPRINGER

FLOYD

ORR



BASKETBALL



FROEB REINHARD STREETER MANAGER BARNES ROLSHAUSEN PENCE BROPHY
REINKING BURNS CAPTAIN FLOYD BILLER KRAUSBECK

BASKETBALL for 1918 started under a handicap. First, severe weather together with trouble with the gymnasium delayed practice until well into January. Then there was the loss of the seniors on the account of summer school that took Capt. Orr. Floyd, who was appointed in his place, is playing a brilliant game for Tech. Sickness hit the team hard when last year's captain, Reinhard, was kept on the sidelines until the Butler game. Coach Gilbert had just one week in which to shape the team for the DePauw contest. The Methodists were strong and the defeat at their hands

was no disgrace. The second game was lost to the Dentals by six points but Tech had shown an improvement as later games show. Detroit U. paid us a visit and returned victors by a large margin. Tech's first victory was that over Butler. Playing a clean fast game she downed the Christians with little trouble. Louisville U. was the next victim. Tech used ten men and found no opposition. Indiana State Normal got a good start and Tech lost an exciting encounter 32 to 20. The team came back, however, and downed Butler for the second time 19 to 9. Uncle Sam's soldiers from Camp Taylor were

then defeated by thirteen points. The Dents were met here and the defeat early in the season was avenged when Tech handed them a 45 to 32 setback.

The outcome of the remaining games, especially the two Normal games, will go a long way in deciding Tech's ranking. The season to date has been promising but not as good as possible.

SUMMARY.

Rose	23	DePauw	48
Rose	27	Indiana Dentals	33
Rose	21	Detroit	58
Rose	40	Butler	20
Rose	34	Louisville	9
Rose	20	Normal	32
Rose	19	Butler	9
Rose	41	Camp Taylor	28
Rose	45	Dentals	32

REMAINING GAMES.

Feb. 26—Normal at Rose.
 Feb. 28—DePauw at Greencastle.
 March 1—Indiana at Bloomington.
 March 8—Normal at Y. M. C. A.
 March 12—Wabash at Rose.
 March 16—Franklin at Franklin.

ROSE-DENTALS.

ON Saturday, January 19, Tech played her first road game of the season, opposing Heze Clark's Dental five at Indianapolis. A hard fought combat ended in favor of the Tooth Pullers, 33 to 27. Each side scored an even dozen field goals but McCormick's (not Robert L.) ability to score from the back line turned the score. Both teams showed a lack of practice missing many shots during the first half. Johnny Burns led the Tech attack with six markers from the field. Capt. Floyd displayed class at back guard.

Line-up and summary:

Ind. Dentals (33)	Rose (27)
McCormick.....F.....	Burns
Sibbitt.....F.....	Froeb
McVaugh.....C.....	Rolshausen
Witter.....G.....	Floyd
Edman (Capt.).....G.....	Reinking

Substitutes: Dentals—Talkington for Edman; Rose Poly—Kransbeck for Rolshausen. Field goals—Dentals, McCormick, 5; McVaugh, 4; Sibbitt, Witter; Rose Poly, Burns, 6; Froeb, 3; Reinking, 2; Floyd. Foul Goals—Dentals, McCormick, 7; Rose Poly, Froeb, 3. Referee—Smith, Indiana State Normal. Time of halves—20 minutes.

ROSE-DETROIT.

THE K. of C. was the scene of an exciting game of basketball when the fast Detroit five downed Tech by a score of 59 to 21. Detroit U. was represented by one of the best teams seen on a local floor in years. To have given them the battle they did is no disgrace to Tech.

Line-up and summary:

Detroit (59)	Rose (21)
Rynearson.....F.....	Floyd
LeFebvre.....F.....	Krausbeck
Voss.....C.....	Reinhard
O'Shea.....G.....	Burns
Edwards.....G.....	Reinking

Substitutes, Rose—Streeter, Biller, Brophy; Detroit—Digle, Lyans, Hendrain, Molytor. Field goals—Rynearson 9, LeFebvre 4, Voss 8, O'Shea 2, Deigle, Lyans, Reinhard 2, Burns 3, Reinking 4, Biller. Foul goals—Rynearson 4, Voss 3, Molytor 2, Reinhard. Referee—Chas. Kelly. Timekeeper—Prof. Hathaway. Scorer—Haley.

ROSE-BUTLER.

IN the first I. C. A. L. game of the season Tech downed Butler by a score of 40 to 20. The game was played in Indianapolis and was featured by the rooting of a large body of Rose Alumni. Cheer Leader Herbert Foltz Jr., '27, kept the Indianapolis delegation on their feet from whistle to whistle. The teams played even for the first ten minutes of the game, then field goals by the Rein Brothers and Burns gave Tech a 14 to 7 lead at the close of the first half. The second half proved to be Butler's undoing. Capt. Floyd started the fireworks with a sensational shot from under his own goal. Johnny Burns followed with a short one and in no time at all Tech had cinched the game. Biller took Reinking's place at forward and dropped five goals through the net in as many minutes. Freddy Pence also got a chance to perform. He immediately dropped a neat shot through the hoop but the referee decided that forty points was enough for any team in forty minutes.

Line-up and summary:

Rose (40)	Butler (20)
Reinking.....F.....	Seyfried
Burns.....F.....	Hodges
Reinhardt.....C.....	Stover
Floyd.....G.....	Wood
Streeter.....G.....	Mullane

Substitutions—(Rose Poly) Biller for Reinking, Pence for Burns; (Butler)—Meyer for Hodges. Field goals—Biller 5, Burns 4, Reinking 3, Reinhardt 3, Floyd 3, Wood 2, Seyfried, Hodges, Stover. Foul goals—Reinhardt 4, Wood 10. Referee—Sussman (Butler).

ROSE-LOUISVILLE.

LOUISVILLE UNIVERSITY lost an exciting contest to Rose by a score of 34 to 9. The game was close and hard fought throughout the first half. In the second period, however, Tech's superior team work together with Reinking's sensational goal shooting, cinched the battle for Rose.

Line-up and summary:

Rose (34)		Louisville (9)
Reinking.....F.....		Grimes
Burns.....F.....		Herzer
Reinhard.....C.....		Morgan
Floyd (c).....G.....		LaDuron
Streeter.....G.....		Daniels (c)

Field goals—Reinking, 7; Burns, 4; Biller, 2; Reinhard, 1; Streeter, 1; Floyd, 1; Morgan, 2; Herzer, 1. Foul goals—Reinhard, 2; Morgan, 3. Substitutions—Rose, Pence for Reinking, Biller for Burns, Rolshausen for Reinhard, Brophy for Floyd, Krausbeck for Streeter. Louisville, Newkirk for Herzer. Referee—Wilder, Purdue.

ROSE-NORMAL.

THE first Normal game goes down as defeat for Rose, 32 to 20. Tech's playing was ragged throughout the game and, too, the Techers were not unfortunate with their long shots. The game was fast and rough and kept the largest crowd of the season in the highest pitch of excitement. "Ick" Reinhard started the scoring with a four goal but Glenn evened things with a pretty cast from the center of the floor. Burns scored for Rose but at this stage Grose ran wild and dropped five consecutive goals through the netting all from difficult angles. The half ended 18 to 13 with Tech behind. The Teachers played a defensive game in the second period but ran their score up to 32, several horseshoes from midfloor helping. Tech's efforts totaled 20. Jake Reinking put up a scrappy game but he was a marked man and was allowed few shots at the basket. The rest of the Tech five were sadly off solar.

Line-up and summary:

Normal (32).		Rose (20).
Grose.....F.....		Burns, Biller
		Froeb
Shipley.....F.....		Reinking
Conover.....C.....		Reinhardt,
		Rolshausen
Glenn.....G.....		Floyd
McBrayer.....G.....		Streeter

Field goals—Burns, 2; Reinking, 2; Reinhardt, Floyd, Streeter, Biller, Grose, 5; Shipley, Conover, 3; Glenn, 3; McBrayer. Foul goals—Reinhardt, 4 out of 10; Froeb, 0

out of 1; Grose, 6 out of 10. Tumors—Hathaway and Royer. Scorer—Charlie Jensen. Referee—Wilder of Purdue.

ROSE-BUTLER.

ALTHOUGH playing without the services of "Scrapping Jacob," a weakened Rose five handed Butler a 19 to 9 setback. The victory was the second over the Christians this year. The game was slow and uninteresting and marked by poor goal shooting on the part of both teams. The score stood 2 to 1 until the last few minutes of the first half when Tech let loose and ran her total to 11. The Engineers used nine men in the closing chapter and the teams played even. No sensational playing appeared during the contest.

Line-up and summary:

Rose (19).		Butler (9).
Burns.....F.....		Seyfried
Reinhard.....F.....		Hodges
Streeter.....C.....		Shockley
Floyd (c).....G.....		Stover
Krausbek.....G.....		Mullane (c)

Field goals—Streeter, 2; Floyd, 2; Froeb, 2; Reinhard, 1; Burns, 1; Shockley 2; Hodges, 1. Foul goals—Reinhard, 1 out of 3; Froeb, 2 out of 2; Seyfried, 3 out of 3. Referee—Wilder (Purdue). Timer—Hathaway (Rose). Scorer—Walker.

Substitutions: Rose—Froeb for Krausbek, Brophy for Burns, Biller for Brophy, Pence for Miller.

ROSE-CAMP TAYLOR.

ON February 16, "Kootsie" Lammers, former Rose grid star, piloted a team of soldiers from Camp Taylor against Tech. One of the fastest and most exciting basketball games of the season ended in a Rose victory, 41 to 28. The teams appeared evenly matched at the start. At no time during the first half did more than two points separate the two teams and at the whistle things stood 19 to 18, Uncle Sam's men trailing. Tech staged a rally early in the second stanza and pulled away from the soldiers only to lose out again a few seconds later. The score was 25 all when a second burst won for Tech. "Ick" Reinhardt featured this second rally when he suddenly found his eye and dropped three strait "swishers" through the netting from guard position. John Burns put up a nice floor game besides adding ten points to his team's total. Capt. Floyd smothered Lammers in the second half and was the defensive star of the game.

Line-up and summary:

Rose (41).	C. Taylor (28).
Burns.....F.....	Wible
Reinking.....F.....	Davis
Reinhart.....C.....	Lammers
Floyd.....G.....	Ferris, Bosworth, Kurtz
Streeter.....G.....	Nitterhouse

Field goals—Lammers, 5; Wible, 3; Davis, 2; Reinhart, 7; Burns, 5; Reinking, 3; Streeter, 3; Floyd, 1. Foul goals—Lammers, 8; Reinhart, 3. Referee—"Goat" Kelley. Umpire—Charles Jensen. Timer—Prof. Hathaway. Scorer—Ralph R. White.

ROSE-DENTALS.

PLAYING a fast clean game, Tech downed the Dentals by the decisive score of 45 to 32. The Rose machine started in whirlwind fashion and piled up a 17 to 3 lead in the first minutes of play. The Dents fought consistently and at the start of the second half they drew within two points of tying the score. Here the

Engineers got together and by playing a sensational game, they managed to chalk up a thirteen point lead at the whistle. Capt. Floyd played his best game to date against the Dentals. Besides doing the lion's share of the guarding, he found time for six successful casts at the basket. "Ick" Reinhard and Johnny Burns also tossed a mean basket.

Line-up and summary:

Rose (45).	Dentals (32).
Reinking.....F.....	McCormick
Burns.....F.....	Sibbitt
Reinhard.....C.....	McVaugh
Floyd (Capt).....G.....	Witter
Streeter.....G.....	Edman (Capt.)

Substitutions—Dentals, Talkington for McVaugh, Couch for Sibbitt, Morrison for Witter.

Field goals—Rose Poly, Reinhard, 7; Floyd, 6; Burns, 5; Reinking, 2; Streeter. Dentals, McCormick, 7; Talkington, 2; Sibbitt, 2; Witter, Edman, McVaugh. Foul goals—Reinhard, 3; McCormick. Referee—Wilder, Purdue.





Organizations



STUDENT COUNCIL

OFFICERS

F. M. Crapo, '19.....	President
R. F. E. Wiedemann, '19	Vice-President
A. N. Barnes, '19.....	Recording Secretary
C. M. Gray, '20.....	Financial Secretary, Term of 1918

MEMBERS

F. M. Pence, '20	Athletic Association
L. S. Stinson, '19	Technic Representative
J. A. Englehard, '20.....	Sophomore Class Representative
W. C. Skinner, 21	President Freshman Class



ATHLETIC BOARD

F. M. Pence, '20 President
 J. G. Burns, '21 Vice-President
 C. Foulkes, '21 Secretary
 A. E. Reinhard, '19 H. H. Hearn, '19
 R. J. Self, '20



RIFLE CLUB MEMBERS

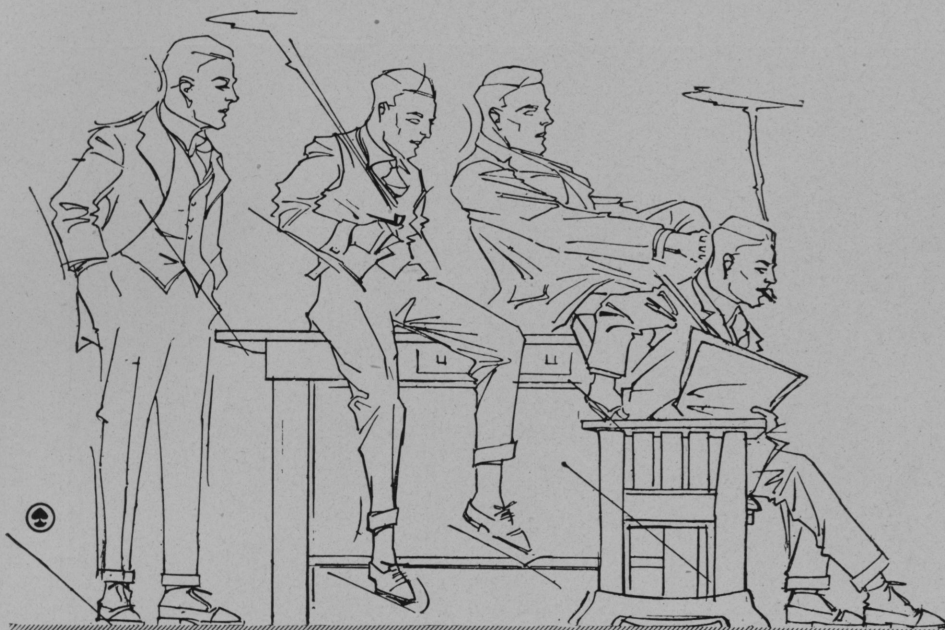
Professor Peddle President
 John C. Zimmerman Vice-President
 R. F. E. Wiedemann Secretary
 Professor Spencer Treasurer
 Professor Wischmeyer Executive Officer

Doctor E. S. Johannott, Professor Coles, H. L. Kessler, K. M. Huston, J. S. Ring, R. C. Manson, H. G. Schlaman, R. F. Abbett, N. A. Ruston, R. L. Reinmann, F. W. Rolshausen, I. S. Mendenhall, C. W. Young, W. C. Bryan, S. C. Stimson, and J. A. Englehard.



TECHNIC STAFF

F. M. Crapo, '19.....	Editor-in-Chief
A. P. Woolfolk, '20	Assistant Editor
L. S. Stinson, '19.....	Business Manager
G. L. Brown, '20	Ass't Business Manager
H. W. Streeter, '19.....	Athletics
A. L. Ervin, '19	Alumni
J. C. Zimmerman, '19.....	Reviews
G. M. Owens, '19	Junior Locals
W. L. Osmer, '20	Sophomore Locals
E. R. Ronald, '21.....	Freshman Locals
R. A. Leathers, '19	Artist



FRATERNITIES

THERE are six fraternities at Rose, three being general fraternities, one a national fraternity of Engineers, one a professional fraternity and one a local fraternity.

The Indiana Gamma Gamma Chapter of Alpha Tau Omega was the first fraternity founded at Rose Polytechnic Institute. This chapter was installed in 1893. Sigma Nu was the second fraternity to find a home at Rose, the local charter being granted in 1895. Three locals came into existence next, P. I. E. S., M. E. P. and V. Q. V., being organized in 1900, 1903, and 1905 respectively. Two years after V. Q. V. was founded, the Kappa Chapter of the Theta Xi fraternity began life, and in 1909, the local chapter of Alpha Chi Sigma was installed.

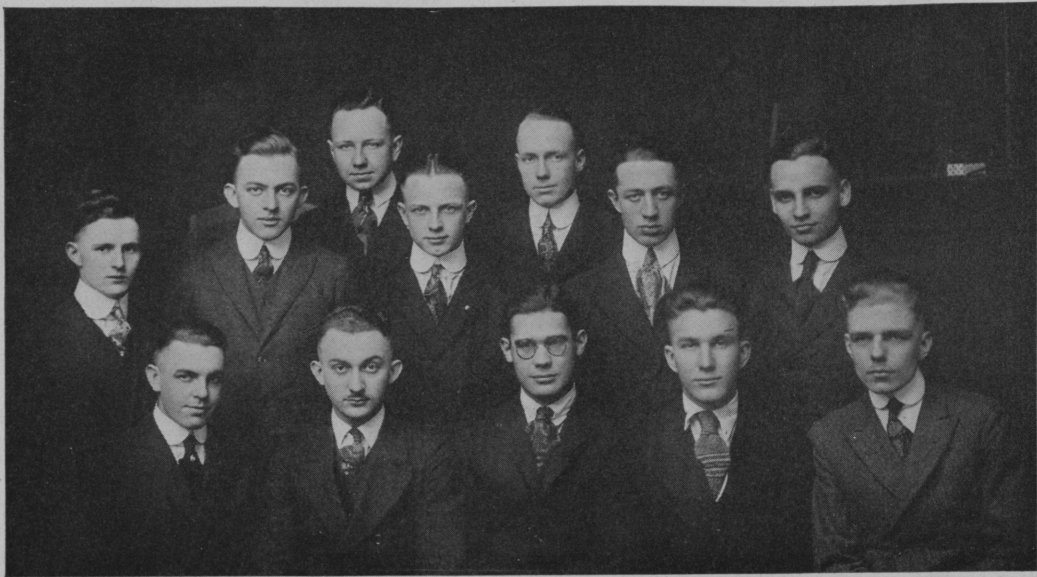
It is interesting to note that Alpha Tau Omega possesses three charter members, Sigma Nu and P. I. E. S.

claim five, Theta Xi has six, Alpha Chi Sigma and M. E. P., nine, and thirteen men founded V. Q. V.

In 1916, this local organization, M. E. P., was granted a charter by the Beta Phi fraternity. In 1918, the V. Q. V. fraternity ceased to be active.

At the present time Alpha Chi Sigma, P. I. E. S., and Sigma Nu each have a chapter roll of six active members while Beta Pi possesses five, Alpha Tau Omega, seventeen, and Theta Xi, twelve.

There has always been intense rivalry between the fraternities at Rose, and in order that the fraternity men may be drawn more closely together and that a better feeling may be created, an Inter-Fraternity Board has been established. This board, consisting of two representatives from each fraternity and one faculty member, has done good work in regulating rushing and in establishing definite rules of conduct to be observed by the fraternities.



THETA XI

JUNIORS

HERMAN G. SCHLAMMAN
LESTER S. STINSON
RUDOLPH F. E. WIEDEMANN
ROBIN E. WOODRUFF
JOHN C. ZIMMERMAN (Pledged)

SOPHOMORES

ALLAN S. BIXBY
HAROLD P. KREMER
FRED M. PENCE
CLARENCE I. PENNA
CARL H. PENNO
NORMAN A. RUSTON
FRANK M. STONE
GORDON K. WOODLING



ALPHA TAU OMEGA

JUNIORS

FRED M. CRAPO
DEWITT P. CROMWELL
ARTHUR L. ERVIN
RICHARD P. GILLUM
ALEXANDER P. KING
RICHARD A. LEATHERS
JOHN K. PIETY
H. WINTON STREETER

SOPHOMORES

HERBERT BRIGGS, JR.
JOSEPH A. ENGELHARD
GEORGE D. EVERINGHAM (Pledged)
KARL A. FROEB
ROBERT R. GILKISON
GEORGE W. JUSTUS
JAMES S. KING
REX J. SELF
ARTHUR P. WOOLFOLK
CLIFT W. YOUNG



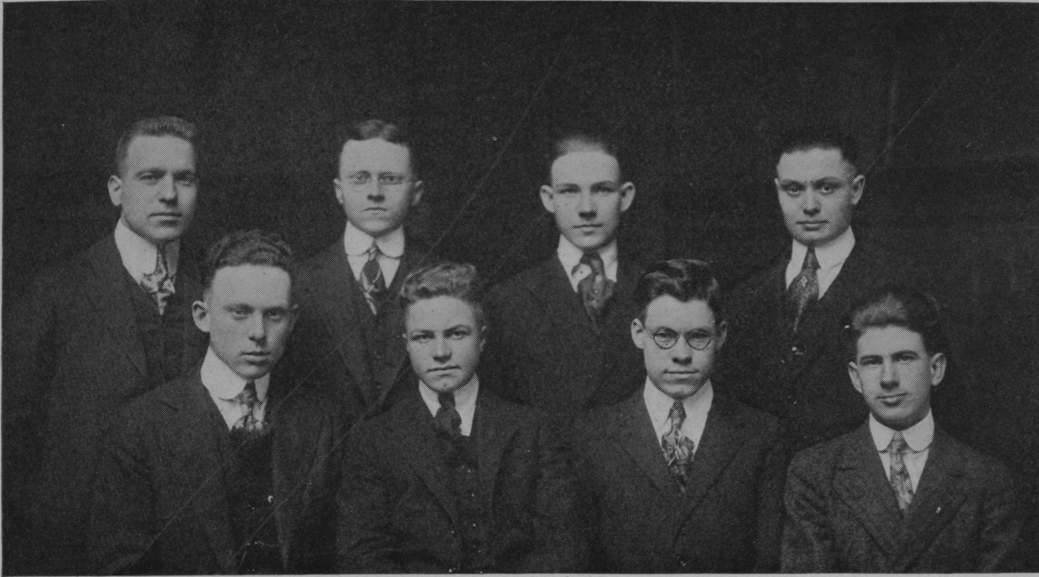
SIGMA NU

JUNIORS

OWEN G. FLOYD (Pledged)
ROBERT L. TILLEY

SOPHOMORES

GEORGE W. BROOKS (Pledged)
ANDREW T. BROPHY (Pledged)
GEORGE L. BROWN
ROBERT O. CASH
CLAUDE M. GRAY
GLENN N. MAXWELL (Pledged)
CLYDE H. PENCE
JACOB F. REINKING (Pledged)
HERBERT B. SLIGER



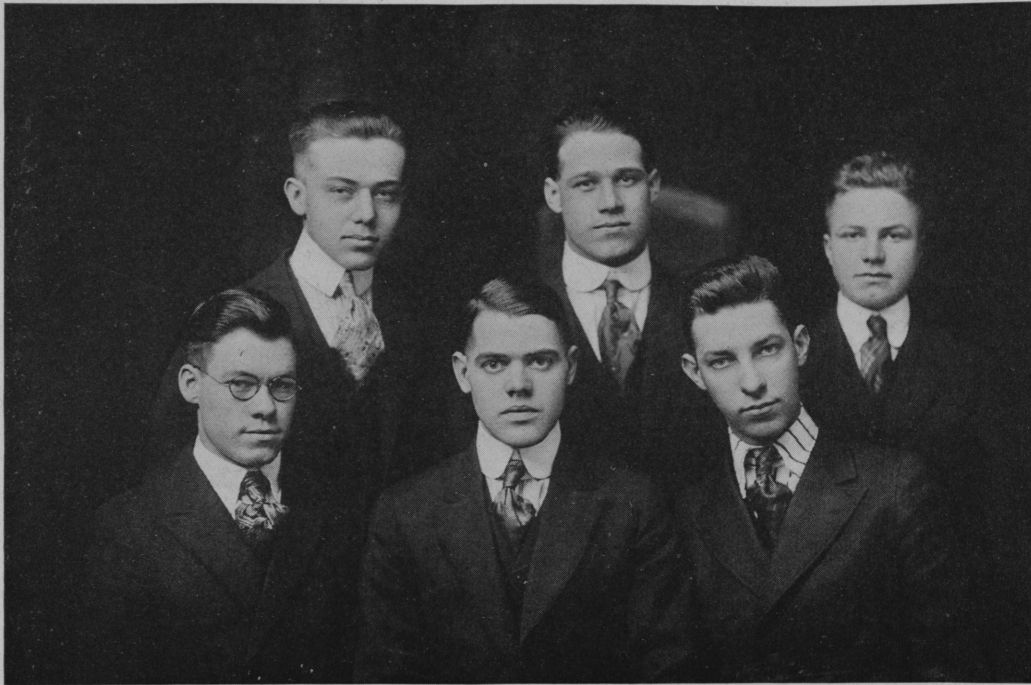
ALPHA CHI SIGMA

JUNIORS

RAYMOND F. ABBETT
EMMET L. MILLER
GEORGE M. OWENS

SOPHOMORES

HARRY E. BIERBAUM (Pledged)
GEORGE H. DEFEL
KENNETH M. HUSTON (Pledged)
ALBERT W. KING
HERMAN J. LAUTERBACH
RUSSEL C. STOCKMASTER (Pledged)



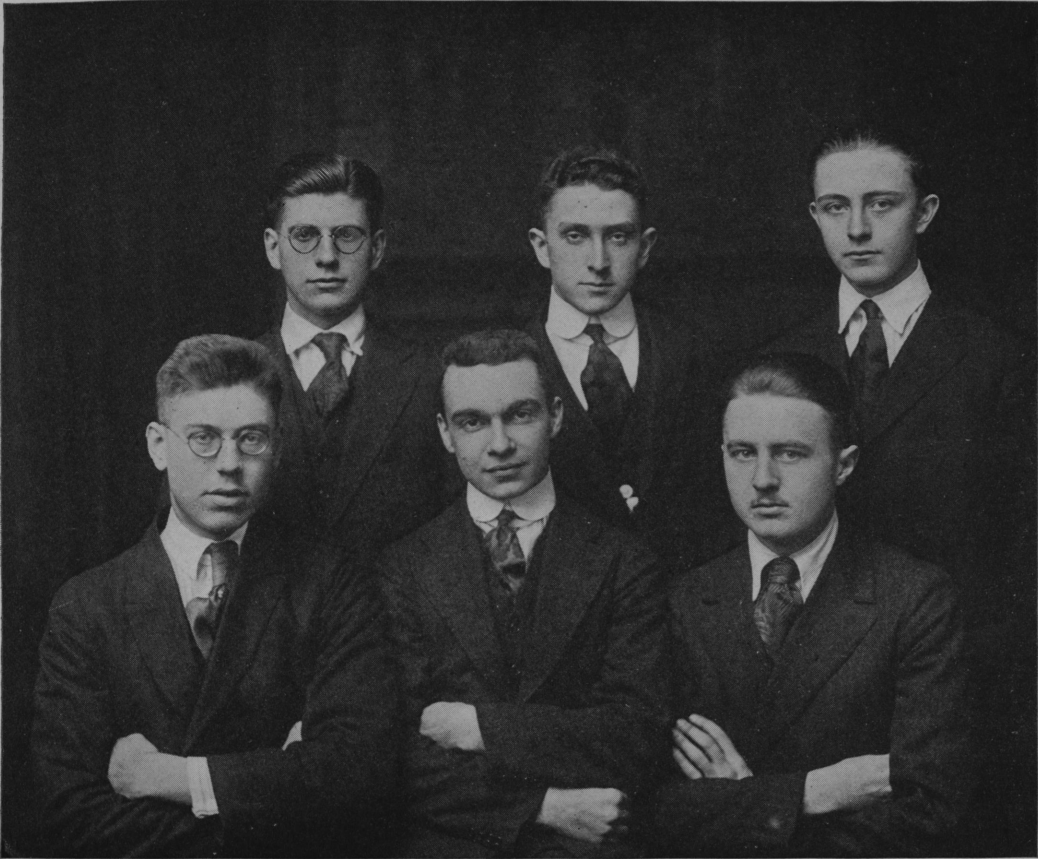
P. I. E. S.

JUNIORS

GEORGE M. OWENS
EARL R. WESSEL

SOPHOMORES

HARRY E. BIERBAUM
WALTER L. OSMER
FRANK L. REINMANN
RUSSELL C. STOCKMASTER



BETA PHI

JUNIORS

IVAN S. MENDENHALL
AARON W. RICHARDSON

SOPHOMORES

WILLIAM C. BRYAN
RONALD C. MANSON (Pledged)
ROBERT E. O'NEIL
FREDERICK B. RAY

SATIRE

Leathers



Foreword

DEAR READER:

If you are a non-interested outsider, you will read these few pages just as one of us engineers would read a Herz Bulletin. You are safe. We owe you no explanation, offer no apology. But should you be a man of Rose, we can only liken your feelings to those of the kaiser reading our Declaration of War. It is to you then that we especially appeal, begging your mercy and asking you to refrain from remarking how true or how false these pages may prove to be. Withhold your judgment then and some day you will awaken, alas only to find yourself one of the non-interested outsiders—safe and with the editor spared. So read on, and as you laugh, gnaw your nails or tear your hair, recall the words of the famous old writer, Underwood, "This too, will pass by."

*Respectfully submitted,
YE EDITOR.*

Dedication

To each and every one of the narrow minded souls whose friendship we lose by this section, our Satire is reverentially dedicated.

HAVE YOU HEARD

That Rose has a professor named Hathaway who teaches Calculus to Sophomores?

Of that old Rose spirit?

That Duke Epps was a handsome baby?

That Mac. would rather tint his nose than color a meerschaum pipe?

That Captain Wiedemann is a great favorite among the Boy Scouts?

Jimmy King?

That Richie is smoking "desert ponies"?

That he gave one away last Wednesday at five o'clock?

That 'Fessor Coles aspires to become Secretary of War?

That Joe Engelhard has a motorcycle?

That Beta Phi has a chapter at Rose?

That Jo Jo's hobbies are skating and colored chalk?

That Mefford is Gilbert's patron saint?

That Gil's full name is Rufus Wellington Gilbert?

Doc. White pronounce c-e-n-t-i-g-r-a-d-e?

That Robert Henry Livingston George Washington Mallard Tilley once went to a badger fight?

PROFESSOR GILBERT.

THE newest addition to the faculty is Professor John Wellington Rufus Gilbert, Athletic Director. Professor Gilbert hails from Snake River, Minnesota, a state famous for wheat and Gophers. (The professor resembles neither, however). At the age of ten, Professor Gilbert, then known as Jack, moved to Kalamazoo, Michigan, a city famous for celery. Here he spent his boyhood days attending the eighth grade. At the age of fifteen the professor, then known as Wellie, ran away from home to join the Pine Center base ball club as bat-boy. A good man can not be kept down and at the early age of nineteen, the professor, then known as Lefty, blossomed forth as the star south-paw of the Kalamazoo Calomels, the fastest semi-pro club in Michigan. His sensational twirling kept him constantly before the public eye. Fame was his and at the age of twenty-six he was purchased by the Chicago Cubes for \$275,000, un-

doubtedly the highest price ever paid for a ball player. He had just pitched the Cubes to their third consecutive World's Championship when a weak heart forced the professor to retire. The blow, coming as it did in the height of his career, was a hard one for this brave young man. A trip west, however, revived his spirits and on his return east he assumed duties as Athletic Director at Rose Polytechnic Institute, filling the vacancy left by Toreador Mefford in a most admirable manner.

Professor Gilbert is a very quiet, unassuming man. He has a dignified sternness about his manner which demands only the most careful attention. His large blue eyes are indicative of his kind disposition. He is well supplied with wavy chestnut hair which he carefully parts in the middle on Saturday nights. Professor Gilbert has but one fault, his friend admits it, he has no sense of humor—.

To end this, we will open up with a few pages of very untimely misinformation on the subject of fraternities and fraternity people. It is to be regretted that this was not published in time for rushing season, however, "It is never too late to learn."

SIGMA NU

Signifying—Something Novel or Some Nuisance, we cannot decide which.

Founded—At Sing Sing by a couple of confidence men.

Members—Several. (Pledges, many.)

Situation—Discouraging.

Pin—A roulette wheel with a wormy center which reminds us of their

Motto—"Wiggle out of anything you can't walk out of."

"Head" Gray is a prominent Sigma Nu. Perhaps that is why he is so interested in other school affairs. Bill Wagner pledged to this fraternity but left school before they could take him in. The Sigs. are said to be the only fraternity at Rose that can really make life miserable during rush season for a freshman and then pledge him. The cosmopolitan spirit of the fraternity has been immortalized by song and it is indeed impressive to hear them singing around the old fire-side:

Sigma Nu, thy name must travel;
Sigma Nu, more fame for you;
If there's any other human
Wants to be a Sig. he'll do.

ALPHA TAU OMEGA

Signifying—All Thoroughly Obnoxious.

Founded—A couple of Kentucky bar-keeps have been accused but plead not guilty.

Pin—A maltese cross which was designed by a Big Four brakeman between Mattoon and Charleston, Illinois.

Number of Chapters—There have been many, but internal dissention has proven fatal. Gamma Gamma is a fine example of this fact. It is rumored that their meetings all end in free-for-all fights and when Jim King and Lou Bake were on the same side—Easy! Half of the chapter is prone to mingle with the other half and believe it does them good. With all this, their policy is one of conservatism. They rarely open on less than three queens. Alpha Tau is strong in the South. Rose is in the North.

Colors—Black (for mourning) and Dark Brown (for taste.)

Motto—"Have you a little ivory in your dome "

THETA XI

Signifying—The taXi.

Founding—Grew out of a plumber's union at Kokomo, Ind., in 1902.

Number of Chapters— $\frac{3}{4}$ (as far as we have been able to find out).

Number of Members—Quite a few, counting their Pi Phi Chapter (Pipe Phiters).

The T. X.'s with their wierd gyroscopic dances have done much to keep their fraternity in the public eye. Although they are an ambitious lot, they have never played a strong part in athletics. This may be attributed to one of several causes: First, that their house is so badly in need of repair that pneumonia is very prevalent among their members, and second, that so much of their time is consumed in playing the game for managers and assistant managers that a point like making the team itself is lost. Their pin is shaped like a pretzel with a diamond in the center that they claim they can always raise six bits on.

Color—Deep Scarlet. (Found on members' noses.)

Motto—"Do just what you can get by with, and stop."

P. I. E. S.

Signifying—Pie In Every Son.

Founding—Some years ago by some Poly boys who were bent on sneaking away from shop and setting each other up to pies in the little bakery across the street.

Number of Chapters—We are happy to say just one (and it's in a class by itself.)

Situation—Piethetic.

The fraternity pursues the even tenor of its way about the pool table which exists in their front room and is easily their greatest asset. They have developed quite a few sharks though as well as some other animals. A pie-eating contest is featured the first Saturday night of each month to keep the memory of the founders alive. Professor Stock is a P. I. E. S., but let's not hold that against him. He has tried his best to live it down and too, he is heartily in favor of the abolition of locals.

Motto—"Pie-et-he first.

Pie-et-he last,

Pie-et-he all the time,

We'll all eat pie forever

And be pious in our line."

ALPHA CHI SIGMA

Signifying—All Common Sufferers.

Founding—The outcome of a Soda Dispensers Union.

Number of Chapters—Unimportant.

Number of Members—Several of the students taking Chemical Engineering.

Situation—Ridiculous.

This fraternity is primarily for chemists only which in itself is a considerable disadvantage. It is rumored that they own a private still, and burn sulphur candles at their meetings. The chapter now exists in a half-hearted sort of way bemoaning the loss of John Bolton. Their pin is in the form of a hexagon and resembles somewhat the badge of a private detective.

Motto—"Gentlemen and chemists all."

BETA PHI

Signifying—Blossoming Pedagogues.

Founded—By accident, we hope. We'd hate to think of such a thing as malice aforethought.

Number of Active Members—None.

Situation—Pitiful.

Chapter at Rose is a happy, loving, little family where each member is quite intimate with the other two. They boast of many prominent members among whom is dashing, daredevil Richardson, the malted-milk fiend. Any freshman wishing to win a medal for scholarship should become a "Beta" as they are wont to call themselves. The pin is a shield. (For defense).

Colors—Pink, Blue, Green, Lavender.

Motto—"In Bill Bryan we trust."

ALAS POOR DOC., WE KNEW HIM WELL.

Good-bye cruel world, my head will crack
 For there goes JoJo off the track.
 Just see him quiver, tilt, careen,
 As on the Radios he vents his spleen,
 His eyes grow large and shine with glee.
 Poor hapless Radios cannot flee,
 He raves, he rants and tears his hair,
 He chews his chalk, he climbs a chair
 And works himself into a frenzy there.
 Then down he jumps, he skids, he slides,
 Fore, aft, athwart and around he glides;
 Headlong and heedless, equations fly,
 Bewildered Radios can't even cry
 For mercy and 'twould be in vain,
 This heartless prof would see us slain,
 Would have us suffer every pain,
 Would let us meet with any fate
 Before his discourse he'd abate.
 'Twere better far to meet the Hun
 With our bare hands and he a gun;
 'Twere better far to meet him thus
 Than to have JoJo be the death of us.

To H. L. C.

If Hindenberg or Joffre or Byng
 Would like to find out anything
 About the war, we recommend
 That R. P. I. they now attend.
 For there they drill, their commandant
 Is Henry LeRoy Roosevelt Grant
 Napoleon Caesar Achilles Coles,
 Who like so many poor lost souls
 Should be a leader in the strife,
 Not live this dull and dreary life.
 To do his bit, he drills the school,
 Strict discipline he makes his rule.
 He marches us in costumes thin,
 Out in the breeze, it is a sin
 The way we freeze and cough and wheeze;
 We all but fall upon our knees.
 But if you see the war commission,
 Refer them to this great tactician
 Who will do his best in any case
 To help stamp out the German Race.

LADIES AND GENTLEMEN

(If there are any such people who have stuck
 with us so far)

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 nothing left but the shouting.

For you there is nothing left but to read the advertisements.

And there won't be a thing left of the Satire Editor
 if he is discovered.

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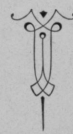
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"Did he?"

"No—said it was just out of his range."

—Widow.

Hiram—"So that son of yours is studying
practical agriculture at college?"

Silas—"Yes, he writes that a large part of
his time has been occupied by fencing in the
gymnasium."—Froth.

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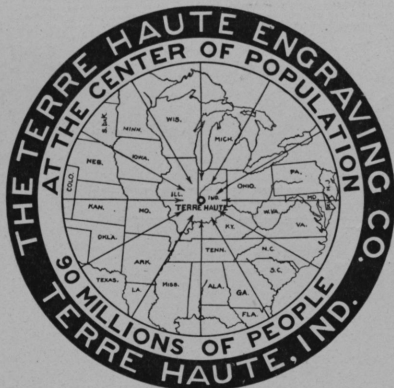
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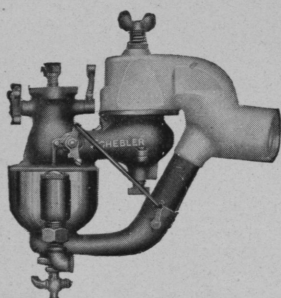
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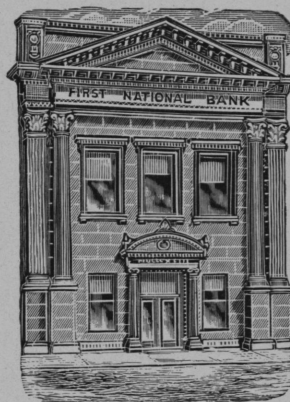


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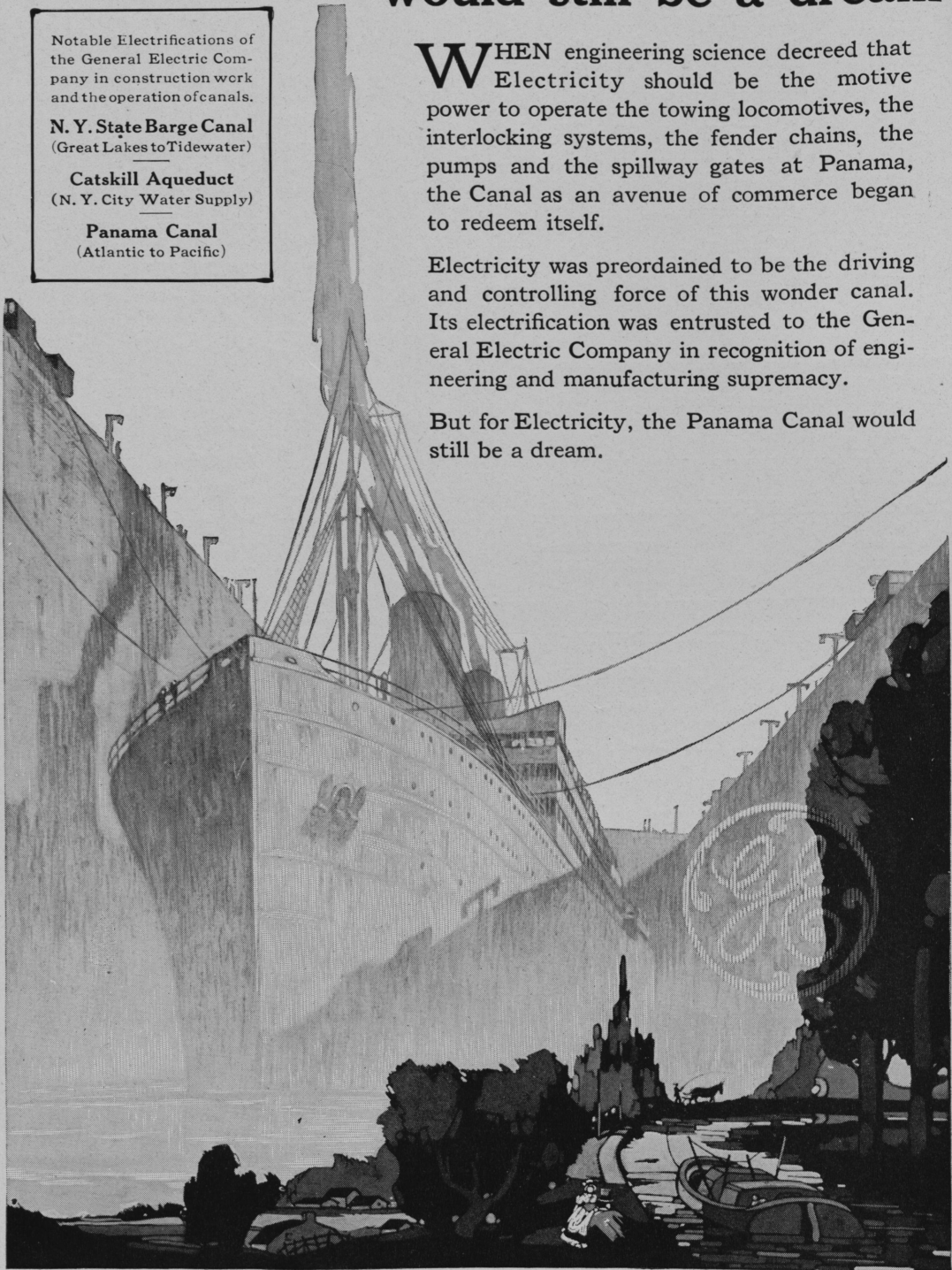
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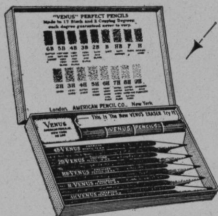
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